NAPA®

TOOLS AND EQUIPMENT
Product Catalog 2022-23

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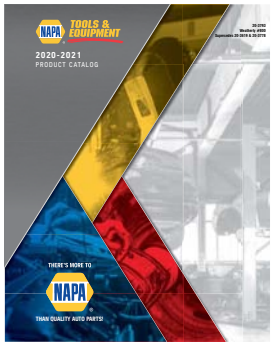

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CARLYLE TOOLS by NAPA

153 PC. AUTOMOTIVE / LIGHT TRUCK MASTER SET

The Carlyle Automotive/Light Truck Master Set contains the most commonly used tools in the business. This kit includes the drive tools and wrenches you need to get the job done right the first time. Carlyle tools are designed and built to last for years using the finest materials, and with balance and precision workmanship you'll be proud to call your own.

Features

- 100 1/4", 3/8" & 1/2" drive tools
- 14 combination wrenches
- 39 additional hand and service tools

CHT **MTS153**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SEE PAGE 5 FOR CONTENTS LISTING.

223 PC. ADVANCED AUTOMOTIVE MASTER SET

The Carlyle Advanced Automotive Master Set includes just about everything you'll need as a serious automotive technician and nothing you don't. Building on our Automotive/ Light Truck set with deeper coverage of sockets, adapters, reducers, and extensions, this is the perfect foundation set to get your career started on the right foot.

Features

- 146 1/4", 3/8", & 1/2" drive tools
- 22 combination wrenches
- 55 additional hand and service tools

CHT **MTS223**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SEE PAGE 5 FOR CONTENTS LISTING.

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

CARLYLE TOOLS by NAPA

329 PC. MEDIUM DUTY MASTER SET

Make an impact with the Carlyle Medium Duty master set. This set starts with our Advanced Automotive master set and adds our most popular (and incredibly powerful) 1/2" drive air impact wrench and high quality impact sockets. Rounding it out is a wide variety of additional drive and striking tools.

Features

- 197 1/4", 3/8" & 1/2" drive tools including impact sockets
- 33 combination & specialty wrenches
- 98 additional hand and service tools

CHT **MTS329**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SEE PAGE 5 FOR CONTENTS LISTING.

433 PC. MASTER TECHNICIAN MASTER SET

The Master Technician's set includes everything packed in our Medium Duty master set and takes it to the next level. With additional fastener sizes, thread repair, basic electrical, brake service, and torque tools, this is the set for techs and students who demand master-level coverage.

Features

- 229 1/4", 3/8", & 1/2" drive tools and accessories
- 33 Combination & specialty wrenches
- 143 additional hand and service tools

CHT **MTS433**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SEE PAGE 5 FOR CONTENTS LISTING.

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

Master Tool Sets

CARLYLE TOOLS by NAPA

589 PC. CARLYLE TOOLS MASTER TOOL SET

Master tool set for the intermediate to advanced technician in the automotive repair industry.

- Includes the most popular automotive service and specialty tools
- 5 Pc. Battery service set for charging, starting and electrical testing
- 15 Pc. Brake service kit for disc/drum brake repairs on passenger cars and light truck applications

CHT **MTS589**

Qty.	Part No.	Description
1	*CHT* **ADP1438**	1/4" Dr. Adapter 1/4" F x 3/8" M
1	*CHT* **ADP3812**	Adapter, 3/8" F to 1/2" M
1	*CHT***ADP3814**	Reducer, 3/8" M to 1/4" F
1	*SER* **166**	Spark Plug Gap Wire Gauge
1	*SER* **3151**	Retaining Ring Quick Switch Pliers
1	*SER* **41701**	Battery Service Kit
1	*CHT* **AJP10**	10" Carlyle Tools P-Rex
1	*CHT* **AJP12**	12" Carlyle Tools P-Rex
1	*CHT* **AJP7**	7" Carlyle Tools P-Rex
1	*CHT* **AW12**	12" Adjustable Wrench
1	*CHT* **BSH42**	Master Hex Bit Socket Set
1	*CHT* **BSODP14**	14 Pc. 3/8" Oil Drain Plug Sock
1	*CHT* **BST13**	13 Pc. Star Bit Socket Set
1	*CHT* **CWL1218**	18 Pc. 12 Pt. FP Long Combination Wrench
1	*CHT* **CWL1219M**	19 Pc. 12 Pt. FP Long Combination Wrench
1	*CHT* **CW1218**	18 Pc. 12 Pt. FP Combination Wrench
1	*CHT* **CW1219M**	19 Pc. 12 Pt. FP Combination Wrench
1	*CHT* **EXT1206**	1/2" Dr. Extension, 6"
1	*CHT* **EXT1210**	1/2" Dr. Extension, 10"
1	*CHT* **EXT1402**	1/4" Dr. Extension, 2"
1	*CHT* **EXT1406**	1/4" Dr. Extension, 6"
1	*CHT* **EXT3803**	3/8" Dr. Extension, 3"
1	*CHT* **EXT3806**	3/8" Dr. Extension, 6"
1	*CHT* **FH1215**	1/2" Dr. Flex Handle, 15"
1	*CHT* **FH38**	3/8" Dr. Flex Handle
1	*CHT* **FNW5**	5 Pc. Flarenut Wrench Set, SAE
1	*CHT* **FNW5M**	5 Pc. Flarenut Wrench Set, Metric
1	*CHT* **GJP10**	10" Groove Joint Pliers
1	*CHT* **HDBBP30F**	Stubby Ball Peen Deadblow Hammer
1	*CHT* **HDBS26**	Slim Line Softface Deadblow Hammer
1	*CHT* **HKLS22**	22 Pc. Long Hex Key Set, SAE/Metric
1	*CHT* **HSF2**	Soft Face Hammer
1	*CHT* **HWBP16**	16 oz. Ball-Peen Hammer, Wood
1	*CHT* **NDS7**	7 Pc. SAE Nut Driver Set
1	*CHT* **NDS7M**	7 Pc. Metric Nut Driver Set
1	*CHT* **PBF02**	2 Pc. Pry Bar Set 10" & 16"
1	*CHT* **PSA3**	3 Pc. Plier Set
1	*CHT* **RW608**	8 Pc. Flat Ratcheting Wrench
1	*CHT* **RW612M**	12 Pc. Flat Ratcheting Wrench
1	*CHT* **R12TD**	1/2" Dr. Teardrop Ratchet
1	*CHT* **R14S100**	P100 Series 1/4" Dr. Swivel Ratchet
1	*CHT* **R14TD**	1/4" Dr. Teardrop Ratchet
1	*CHT* **R38FHBH**	3/8" Bent Handle 72T Ratchet
1	*CHT* **R38TD**	3/8" Dr. Teardrop Ratchet
1	*CHT* **SDP218**	Round Blade Phillips Screwdriver
1	*CHT* **SDP222**	Carlyle Extra Long Screwdriver
1	*CHT* **SDP224**	Carlyle Extra Long Screwdriver
1	*CHT* **SDS8**	8 Pc. Combination Screwdriver
1	*CHT* **SDS818**	Carlyle Extra Long Screwdriver
1	*CHT* **SDS822**	Carlyle Extra Long Screwdriver
1	*CHT* **SDS824**	Round Blade Slotted Screwdriver

Qty.	Part No.	Description
1	*CHT* **SH12**	1/2" Dr, Speed Handle
1	*CHT* **SH14**	1/4" Dr. Speed Handle
1	*CHT* **SH38**	3/8" Dr. Speed Handle
1	*CHT* **SSD12110M**	10 Pc. 1/2" Dr. 12 Pt. Deep Socket Set
1	*CHT* **SSD12113**	13 Pc. 1/2" Dr. 12 Pt. Deep Socket Set
1	*CHT* **SSD14112**	12 Pc. 1/4" Dr. 12 Pt. Deep Socket Set
1	*CHT* **SSD14114M**	14 Pc. 1/4" Dr. 12 Pt. Socket Set
1	*CHT* **SSD38014**	14 Pc. 3/8" Dr. 6 Pt. Deep Socket Set
1	*CHT* **SSD38019M**	19 Pc. 3/8" Dr. 6 Pt. Deep Socket Set
1	*CHT* **SSD38114**	14 Pc. 3/8" Dr. 12 Pt. Deep Socket Set
1	*CHT* **SSD38119M**	19 Pc. 3/8" Dr. 12 Pt. Socket Set
1	*CHT* **SSMD38011**	11 Pc. 3/8" Dr. 6 Pt. SAE Mid-Depth Socket Set
1	*CHT* **SSMD38014M**	14 Pc. 3/8" Dr. 6 Pt. Metric Mid-Depth Socket Set
1	*CHT* **SSP3814MTW**	3/8" Dr. 14mm 12 Pt. Thin Wall Socket Set
1	*CHT* **SSP3820**	3/8" Dr. 5/8" Spark Plug Socket Set
1	*CHT* **SSP3826**	3/8" Dr. 13/16" Spark Plug Socket Set
1	*CHT* **SS12110M**	10 Pc. 1/2" Dr. 12 Pt. Socket Set
1	*CHT* **SS12113**	13 Pc. 1/2" Dr. 12 Pt. Socket Set
1	*CHT* **SS14012**	12 Pc. 1/4" Dr. 6 Pt. Socket Set
1	*CHT* **SS14014M**	14 Pc. 1/4" Dr. 6 Pt. Socket Set
1	*CHT* **SS14112**	12 Pc. 1/4" Dr. 12 Pt. Socket Set
1	*CHT* **SS14114M**	14 Pc. 1/4" Dr. 12 Pt. Socket Set
1	*CHT* **SS38015**	15 Pc. 3/8" Dr. 6 Pt. Socket Set
1	*CHT* **SS38019M**	19 Pc. 3/8" Dr. 6 Pt. Socket Set
1	*CHT* **STL3011**	Tape Measure, 16'
1	*CHT* **STL41520**	15 Pc. Brake Service Kit
1	*CHT* **TW12TD36**	1/2" Dr. Teardrop 36 Tooth Torque Wrench
1	*SER* **CHP-4L**	9 3/4" Four Piece Hook and Pick Set
1	*SER* **HTC-2**	2 1/4" diam. Inspection Mirror
1	*SER* **2281**	Magnetic Pick Up Tool
1	*CHT* **UNIV12**	1/2" Dr. Universal Joint
1	*CHT* **UNIV14**	1/4" Dr. Universal Joint
1	*CHT* **UNIV38**	3/8" Dr. Universal Joint
1	*CHT* **WSCCP**	Wire Stripping, Crimping and Cutting
1	*CHT* **WSCCPLN**	Wire Stripper Pliers Straight
1	*CHT* **WSCCPPG**	Wire Stripper Pliers Pistol
1	*CHT* **WSCCPSA**	Self Adjusting Wire Stripper
1	*NSE* **350-057**	Safety Eyewear - Clear Lens
1	*NSE* **360-113**	Nitrile General Purpose 6 ml
1	*NSE* **370-052**	NRR20 Ear Plugs
1	*NPT* **6-1083**	1/2" Drive Carlyle Mini Impact Wrench
1	*NPT* **61-0302**	14 Pc. Impact Socket Set
1	*NPT* **61-0307**	13 Pc. Impact Socket Set
1	*NPT* **61-0331**	9 Pc. 1/2" Dr. Wheel Protector Socket Set
1	*SER* **77-3508**	Adjustable Oil Filter Wrench
1	*BK* **815-1328**	Fender Cover
1	*NTH* **90-537**	2-150 PSI Digital Tire Gauge
1	*NTH* **90-538**	2" 1 Tire Pressure and Tread

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE® MASTER SET CONTENTS

Item No.	Description	*CHT* MT5S153 153 Pc. Set	*CHT* MTS223 223 Pc. Set	*CHT* MTS329 329 Pc. Set	*CHT* MTS433 433 Pc. Set
CHT **SS14012**	12 Pc. 1/4" Dr. 6 Pt. Socket Set, SAE		•	•	•
CHT **SS14009**	9 Pc. 1/4" Dr. 6 Pt. Socket Set, SAE	•			
CHT **SS14014M**	14 Pc. 1/4" Dr. 6 Pt. Socket Set, Metric		•	•	•
CHT **SS14010M**	10 Pc. 1/4" Dr. 6 Pt. Socket Set, Metric	•			
CHT **SSD14009**	9 Pc. 1/4" Dr. 6 Pt. Deep Socket Set, SAE			•	•
CHT **SSD14010M**	10 Pc. 1/4" Dr. 6 Pt. Deep Socket Set, Metric			•	•
CHT **R14TD**	1/4" Dr. Teardrop Ratchet	•	•	•	•
CHT **DH14**	1/4" Dr. Driver Handle	•	•	•	•
CHT **FH14**	1/4" Dr. Flex Handle				•
CHT **SH14**	1/4" Dr. Speed Handle				•
CHT **EXT1402**	1/4" Dr. Extension, 2"	•	•	•	•
CHT **EXT1406**	1/4" Dr. Extension, 6"	•	•	•	•
CHT **UNIV14**	1/4" Dr. Universal Joint	•	•	•	•
CHT **ADP1438**	1/4" Dr. Adapter, 1/4"F x 3/8"M		•	•	•
CHT **SS38015**	15 Pc. 3/8" Dr. 6 Pt. Socket Set, SAE		•	•	•
CHT **SS38009**	9 Pc. 3/8" Dr. 6 Pt. Socket Set, SAE	•			
CHT **SS38019M**	19 Pc. 3/8" Dr. 6 Pt. Socket Set, Metric		•	•	•
CHT **SS38012M**	12 Pc. 3/8" Dr. 6 Pt. Socket Set, Metric	•			
CHT **SSD38014**	14 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, SAE		•	•	•
CHT **SSD38009**	9 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, SAE	•			
CHT **SSD38019M**	19 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, Metric		•	•	•
CHT **SSD38012M**	12 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, Metric	•			
CHT **SSP3820**	3/8" Dr. 5/8" Spark Plug Socket			•	•
CHT **SSP3826**	3/8" Dr. 13/16" Spark Plug Socket			•	•
CHT **R38TD**	3/8" Dr. Teardrop Ratchet	•	•	•	•
CHT **R38F**	3/8" Dr. Flexible Teardrop Ratchet			•	•
CHT **FH38**	3/8" Dr. Breaker Bar	•	•	•	•
CHT **SH38**	3/8" Dr. Speed Handle				•
CHT **EXT3803**	3/8" Dr. 3" Extension	•	•	•	•
CHT **EXT3806**	3/8" Dr. 6" Extension	•	•	•	•
CHT **ADP3812**	Adapter, 3/8" F to 1/2" M		•	•	•
CHT **ADP3814**	Reducer, 3/8" M to 1/4" F		•	•	•
CHT **UNIV38**	3/8" Dr. Universal Joint	•	•	•	•
CHT **SS12013**	13 Pc. 1/2" Dr. 6 Pt. Socket Set, SAE	•	•	•	•
CHT **SS12006**	6 Pc. 1/2" Dr. 6 Pt. Socket Set, SAE		•	•	•
CHT **SS12015M**	15 Pc. 1/2" Dr. 6 Pt. Socket Set, Metric		•	•	•
CHT **SS12010M**	10 Pc. 1/2" Dr. 6 Pt. Socket Set, Metric	•			
CHT **SSD12013**	13 Pc. 1/2" Dr. 6 Pt. Deep Socket Set, SAE				•
CHT **SSD12015M**	15 Pc. 1/2" Dr. 6 Pt. Deep Socket Set, Metric				•
NPT **61-0307**	13 Pc. 1/2" Dr. 6 Pt. Impact Socket Set, SAE			•	•
NPT **61-0302**	14 Pc. 1/2" Dr. 6 Pt. Impact Socket, Metric			•	•
CHT **BSH42**	42 Pc. 1/4" & 3/8" Dr. Master Hex Bit Socket Set				•
CHT **BST13**	13 Pc. 1/4", 3/8" & 1/2" Dr. Star Bit Socket Set		•	•	•
CHT **R12TD**	1/2" Dr. Teardrop Ratchet	•	•	•	•
CHT **R12FQR**	1/2" Dr. Flexible Teardrop Ratchet			•	•
CHT **FH1215**	1/2" Dr. Breaker Bar, 15"	•	•	•	•
CHT **SH12**	1/2" Dr, Speed Handle				•
CHT **EXT1203**	1/2" Dr. Extension, 3"	•	•	•	•
CHT **EXT1206**	1/2" Dr. Extension, 6"	•	•	•	•
CHT **EXT1210**	1/2" Dr. Extension, 10"	•	•	•	•
CHT **UNIV12**	1/2" Dr. Universal Joint	•	•	•	•
CHT **CW1211**	11 Pc. 12 Pt. Combination Wrench, SAE		•	•	•
CHT **CW1207**	7 Pc. 12 Pt. Combination Wrench, SAE	•			
CHT **CW1211M**	11 Pc. 12 Pt. Combination Wrench, Metric		•	•	•
CHT **CW1207M**	7 Pc. 12 Pt. Combination Wrench, Metric	•			
CHT **FNW5M**	5 Pc. Flarenut Wrench Set, Metric			•	•
CHT **FNW5**	5 Pc. Flarenut Wrench Set, SAE			•	•
CHT **AW12**	12" Adjustable Wrench			•	•
CHT **TW12TD1**	1/2" Dr. Torque Wrench, 30 - 250 ft-lbs.				•
CHT **PSA4**	4 Pc. Pliers Set		•	•	•
CHT **PSA3**	3 Pc. Pliers Set	•			
CHT **GJP10**	10" Groove Joint Pliers			•	•
SER **3151**	Interchangeable/Quick Switch Retaining Ring Pliers		•	•	•
CHT **SDS8**	8 Pc. Combination Screwdriver Set	•	•	•	•
CHT **RDBS19**	19 in 1 Ratcheting Driver Bit		•	•	•
CHT **NDS7M**	7 Pc. Metric Nut Driver Set, Metric			•	•
CHT **NDS7**	7 Pc. SAE Nut Driver Set, SAE			•	•
CHT **HKLS22**	22 Pc. Long Hex Key Set, SAE/Metric	•	•	•	•
CHT **HWBP16**	16 oz. Ball-Peen Hammer, Wood	•	•	•	•
CHT **HSF2**	Soft Face Hammer	•	•	•	•
BK **314**	14 Pc. Punch & Chisel			•	•
SER **3987-02**	1" Offset Scraper	•	•	•	•
BK **HDG-12**	12" Dual Grip Hacksaw	•	•	•	•
SER **161**	Deluxe Feeler Gauge			•	•
SER **166**	Spark Plug Gap Wire Gauge			•	•
BK **972**	40-Piece SAE & Metric Thread Restorer Kit				•
NPT **6-767**	Impact Wrench - 1/2" w/Magnesium Housing			•	•
BK **700-2601**	NAPA Basic Digital Meter				•
SER **77-4003**	Brake Pad Spreader				•
SER **3011**	Tape Measure, 16 ft.	•	•	•	•
SER **2054**	Safety Glasses	•	•	•	•
SER **HTC-2**	2 1/4" Inspection Mirror			•	•
SER **2281**	Magnetic Pick Up Tool			•	•
SER **CHP-4L**	9 3/4" Four Pc. Hook and Pick Set			•	•
NTH **90-674**	Adapter 1/4" MNPT, Industrial			•	•
SER **41701**	Battery Service Kit			•	•

Exact set configurations can be found at carlyletools.com.

PROTO

USA

PROTO MASTER SETS & KITS CONTENTS

PTO **J99710**

SMALL TOOL SETS

Item No.	Tool Piece	Fastener Size	Drive Tools	Sockets	Wrenches	Striking Tool	Pliers	Screwdriver	Miscellaneous Tools
Small Tool Sets									
PTO **J99100**	131	5/64" to 3/4"	1/4"	46	28	6	13	23	15
PTO **J99570**	111	4 to 24mm	1/4", 3/8", 1/2"	84	18	0	0	0	0
Starter Sets									
PTO **J99700**	164	3/16" to 2"	1/4", 3/8", 1/2", 3/4"	86	19	16	11	12	20
PTO **J99660**	148	1/8" to 1"	3/8"	59	41	1	3	19	25
PTO **J99810**	126	1/16" to 1"	1/4", 3/8"	107	16	1	2	0	0
PTO **J99480**	98	1/4", 1 1/4"	3/8"	33	21	13	4	12	15
PTO **J99300**	78	5/16", 1 1/4"	1/2"	30	17	10	5	7	9
PTO **J99200**	62	3/8", 7/8"	3/8"	22	11	10	5	5	9
PTO **J99420**	99	6 to 26mm	3/8", 1/2"	42	17	15	5	8	12
PTO **J99310**	77	7 to 26mm	1/2"	31	17	10	5	7	7
PTO **J99210**	67	7 to 19mm	3/8"	29	11	10	5	5	7
Intermediate Sets									
PTO **J99720**	453	3/16" to 2 3/8"	1/4", 3/8", 1/2", 3/4"	211	105	34	30	32	41
PTO **J99710**	272	3/16" to 2"	1/4", 3/8", 1/2", 3/4"	122	54	17	26	19	34
PTO **J99530**	194	1/8" to 1 1/4"	1/4", 3/8", 1/2"	109	61	0	0	11	13
PTO **J99900**	179	11/4", 1" 4 to 19mm	1/4", 3/8"	143	34	1	1	0	0
PTO **J99730**	248	4 to 46mm	1/4", 3/8", 1/2", 3/4"	110	45	17	26	19	31
PTO **J99430**	157	4 to 26mm	3/8", 1/2"	72	27	15	12	12	19

PROTO

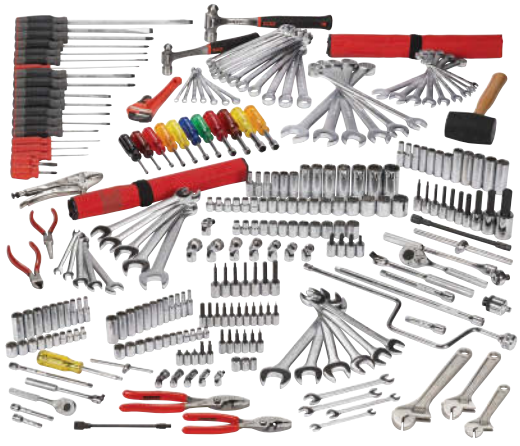
USA

PROTO MASTER SETS & KITS CONTENTS

PTO **J99920**

PTO **J99830**

PTO **J99680**



PTO **J99910**

ADVANCE SETS

Item No.	Tool Piece	Fastener Size	Drive Tools	Sub Set	Sockets	Wrenches	Striking Tool	Pliers	Screwdriver	Miscellaneous Tools
PTO **J99820**	233	1/16" to 1"	1/4", 3/8"	2 Sub Set J99810, J99825	108	40	29	11	19	25
PTO **J99490**	165	1/8" to 1 1/4"	3/8", 1/2"	2 Sub Set J99480, J99485	76	27	15	12	12	23
PTO **J99830**	411	1/16" to 1 7/16"	3/8", 1/2", 3/4"	3 Sub Set 99810, 99825, 99835	183	99	31	26	21	51
PTO **J99680**	400	1/8", 2 3/8"	1/4", 3/8"	3 Sub Set 99660, 99665, 99675	158	104	38	30	21	49
PTO **J99910**	271	1/16" to 1 1/4"	1/4", 3/8", 1/2"	2 Sub Set 99900, 99905	176	57	3	5	19	11
PTO **J99920**	497	1/16" to 1/2" 2.5 to 24mm	1/4", 3/8", 1/2"	3 Sub Set 999000 + 99905 + 99915	266	125	32	13	19	42

There are 7 different Sub set, *PTO* ***J99485,*** *PTO* ***J99665,*** *PTO* ***J99675,*** *PTO* ***J99825,*** *PTO* ***J99835,*** *PTO* ***J99905,*** *PTO* ***J99915***

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PROTO

USA

PROTO MASTER SETS & KITS CONTENTS

PTO **JCS-1258MAS**

FLAGSHIP MASTER SETS

- Master Technician Maintenance Set
- 1258 pieces
- 1/4", 3/8", 1/2" and 3/4" drive tools
- Standard and Metric sizes included

Includes:

- Stanley 369 flashlight
- 12 Pt. crowfeet wrenches
- Large metric 3/8" sockets
- Locking and wobble extensions
- Thin wall sockets
- Premium sockets
- Metric universal sockets
- Modular Sets: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MAS-6, JCS-MAS-7

PTO **JCS-1258MAS**

MASTER SETS

- Master Technician Set 833 Pieces
- 1/4", 3/8", 1/2" and 3/4" drive tools
- Standard and Metric sizes included

Includes:

- Tap and Die Set
- 12 Pt. crowfoot wrenches
- Bolt extractor set
- Replaces J99940- 821 Pieces Master Technician's Set
- Modular Sets: JCS-MAS-1, JCS-MAS-2, JCS-MAS-3, JCS-MAS-4, JCS-MAS-5, JCS-MOD833

PTO **JCS-0833MAS**

Item No.	Sockets	Wrenches	Pliers	Screwdriver	Striking Tool	Miscellaneous Tools
PTO **JCS-1258MAS**	642 Pc.	238 Pc.	33 Pc.	63 Pc.	50 Pc.	232 Pc.
PTO **JCS-0833MAS**	353 Pc.	205 Pc.	22 Pc.	43 Pc.	34 Pc.	176 Pc.

PROTO®

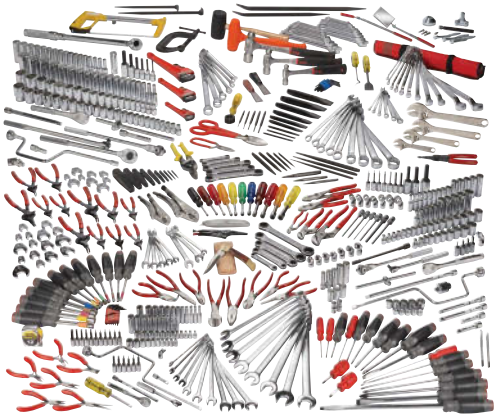
USA

PROTO MASTER SETS & KITS CONTENTS

PTO **JCS-1046MAS**

PTO **JCS-0833MAS**

PTO **JCS-0613MAS**



PTO **JCS-0558MAS**

PTO **JCS-0334MAS**

GENERAL SETS

Item No.	Tool Piece	Fastener Size	Drive Tools	Modular Set	Sockets	Wrenches	Striking Tool	Pliers	Screwdriver	Miscellaneous Tools
PTO **JCS-1258MAS**	1258	1/16" to 2 3/8" 2 to 26mm	1/4", 3/8", 1/2", 3/4"	1 to 7	642	238	50	33	63	232
PTO **JCS-1046MAS**	1046	1/16" to 2 3/8" 2 to 24mm	1/4", 3/8", 1/2", 3/4"	1 to 6 + MOD1046	441	237	41	25	83	219
PTO **JCS-0833MAS**	833	1/16" to 2 3/8" 2 to 24mm	1/4", 3/8", 1/2", 3/4"	1 to 5 + MOD833	353	205	34	22	43	176
PTO **JCS-0613MAS**	613	1/16", 2 3/8" 2 to 24mm	1/4", 3/8", 1/2", 3/4"	1 to 4 + MOD613	305	167	33	22	32	54
PTO **JCS-0558MAS**	558	1/4" to 1 1/2" 2 to 36 mm	1/4", 3/8", 1/2"	—	279	119	31	27	43	59
PTO **JCS-0334MAS**	334	1/16" to 1 1/2" 9 to 19mm	1/4", 3/8", 1/2"	—	197	44	29	17	30	17

Different Modular set, *PTO* ***JCS-MAS-1 to 7 (7 SKU), and*** *PTO* ***JCSMODXXXX (3 SKU) for different Master Set needs***

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Master Tool Sets

GEARWRENCH

The Gearwrench Mechanics Tool Sets (*APX* **80944**, *APX* **80940**, *APX* **80942**, *APX* **80966 and** *APX* **80972**) Include a 3-Drawer Storage Box with Independent Sliding Drawers, Side Flaps to Lock Drawers in Place, a Steel Hinged Lid & Durable Handle. All sets include Full Polish Chrome Sockets that feature technology to Reduce Fastener Rounding , SAE & MET Combination Wrenches, Magnetic Bit Driver with Ergonomic Handle and Original Allen® Brand Hex Keys. Each set also Meets or Exceeds ASME B107.1, B107.5M, B107.10, B107.6 standards.

143 PC. 1/4" & 3/8" DR. MECHANICS TOOL SET

- 1/4", 3/8" standard sockets, 3/8" deep sockets in frequently used sizes
- 8" long nose, 10" tongue & groove and 7" diagonal pliers
- Original Allen® brand SAE hex keys

APX **80944**

GEARWRENCH

MECHANICS TOOL SETS

- 1/4", 3/8" and 1/2" standard sockets, and 1/4" and 3/8" deep sockets
- Original Allen® brand SAE & MET hex keys

Item No.	Descriptions
APX **80940**	229 Pc. 1/4", 3/8" & 1/2" Mechanics Tool Set
APX **80942**	239 Pc. 1/4", 3/8" & 1/2" Mechanics Tool Set

GEARWRENCH

MECHANICS TOOL SETS

- Full polish chrome SAE and metric 1/4" 3/8". and 1/2". standard sockets, and 1/4". and 3/8". deep sockets
- 84 tooth full polish chrome teardrop ratchets, with flush mounted on/off lever
- Contains 6 point full polish long pattern combination wrenches and sockets
- Combination wrenches feature a 15° offset box end for added knuckle clearance
- Sockets and wrenches feature off-corner loading design to reduce fastener rounding
- Universal joints provide additional access to hard to reach fasteners
- Magnetic bit driver with 30 bits including Torx®, hex, slotted and Phillips®

APX **80966**

GEARWRENCH

MECHANICS TOOL SETS

- Full polish chrome SAE and metric 1/4", 3/8" and 1/2". standard sockets, and 1/4". and 3/8" deep sockets in.
- 84 tooth full polish chrome teardrop ratchets, with flush mounted on/off lever
- Contains 12 point full polish long pattern combination wrenches and sockets
- Combination wrenches feature a 15° offset box end for added knuckle clearance
- Sockets and wrenches feature off-corner loading design to reduce fastener rounding
- Universal joints provide additional access to hard to reach fasteners
- Magnetic bit driver with 30 bits including Torx®, hex, slotted and Phillips®

APX **80972**

GEARWRENCH

238 PC. GENERAL MECHANICS TOOL KIT IN EXPLORER CASE

- Kit includes lifetime warranted GEARWRENCH tools
- Explorer case is proven to function in environments from desert to arctic
- Removable drawers with foam inserts for tool control
- Rugged wheel construction and a wide wheelbase provides durability and stability
- Impact resistant – drop tested at 2.5 meters
- Waterproof – up to 1 meter for 30 minutes
- Exterior dimensions: 23" L x 15" W x 18" H

APX **GWSGMTK3**

GEARWRENCH

INTERMEDIATE AUTO DIESEL TEP SET

- Carefully selected assortment of tools for the Automotive Diesel Technical Education Program (TEP)
- Includes 1/4", 3/8" and 1/2" Sockets, Ratchets, Universal Joints and Extensions
- Also includes Screwdrivers (12), Pliers (4), Wrenches, Hex Keys (22), General Purpose tools and various automotive specialty tools

APX **83096**

GEARWRENCH

INTERMEDIATE AUTO TEP SET

- Carefully selected assortment of tools for the Automotive Technical Education Program (TEP)
- Includes 1/4", 3/8" and 1/2" Sockets, Ratchets, Universal Joints and Extensions
- Also includes Screwdrivers (12), Pliers (7), Wrenches, Hex Keys (22), General Purpose tools and various automotive specialty tools

APX **83095**

DEWALT

192 PC. 6 PT. MECHANICS TOOLS SET

- Includes 3 Pear Head Ratchets
- SAE and Metric Sockets with hand stamped markings
- Includes blow molded case

DEW **DWMT75049**

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Master Tool Sets

CRAFTSMAN

150 PC. GUNMETAL CHROME MECHANICS TOOL SET

150 pc. Gunmetal Chrome Mechanics Tool Set is made for the auto enthusiast, semi-pro, or do-it-yourselfer. This set comes with the new industry-leading, 120-Tooth ratchet that provides maximum accessibility in tight spots. With its slim head and 3° arc swing, you can get into narrow spaces with ease and quickly tighten or loosen a fastener.
Note: Case Included

CTM **CMMT12035**

CRAFTSMAN

216 PC. VERSASTACK™ 3-DRAWER MECHANICS TOOL SET

Features three-drawers and can be stacked on or under other VERSASTACK™ components. This complete 216-piece set includes ratchets, wrenches, sockets, and accessories that make it the perfect assortment for a semi-pro, automotive enthusiast, & do-it-yourselfer, automotive enthusiast, or semi-pro user. Nothing beats having the right tools for the right job and nothing beats having the right storage solution to keep your tools organized. **Note: Case Included**

CTM **CMMT99206**

CRAFTSMAN

3 DR. MECHANICS TOOL SETS

Drive Mechanics Tool Set comes equipped with 72 Tooth ratchets, a broad assortment of drive tools, and a rugged blow mold case. The case is constructed with metal hinges for separate sets. **Note: Case Included**

Item No.	Description
CTM **CMMT12034**	189 Pc.
CTM **CMMT12025**	159 Pc.
CTM **CMMT12023**	105 Pc.
CTM **CMMT12021**	82 Pc.

CRAFTSMAN

GUNMETAL CHROME MECHANICS TOOL SETS

- Corrosion Resistance: Gun Metal Chrome Finish
- Increased Torque: 6 Point Socket with fastener
- Mobility and Durability: Compact Storage Case
- Quick Size Identification: Large Markings

Note: Case Included

Item No.	Description
CTM **CMMT12028**	24 Pc 1/4" Dr. Set: Shallow SAE - 5/32" - 9/16", Shallow MM - 4 - 14mm, 120-Tooth 1/4" Ratchet
CTM **CMMT12029**	22 Pc 3/8" Dr. Set: Shallow SAE - 1/4" - 3/4", Shallow MM - 8 - 19mm, 120 Tooth 3/8" Ratchet
CTM **CMMT12030**	22 Pc 1/2" Dr. Set: Shallow MM - 14 - 22mm, Shallow SAE - 3/8" - 15/16", 120-Tooth 3/8" Ratchet

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EVERCRAFT™

90 PC. 1/4, 3/8, & 1/2 IN. DR. MASTER SOCKET SET

This superior set includes a wide variety of drive tools and accessories. Made of CR-V steel and high polish chrome. All components carry a lifetime warranty

BK **774-0290**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

SEE PAGE 14 FOR CONTENTS LISTING.

78 PC. 1/4 & 3/8 IN. DR. MASTER SOCKET SET

This set is loaded with the sockets and drive tools to meet almost all of your needs. Constructed from CR-V steel, high polish chrome and exceeds ANSI standards. Blow molded case included.

BK **774-0178**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

SEE PAGE 14 FOR CONTENTS LISTING.

30 PC. 1/4 & 3/8 IN. DR. MASTER SOCKET SET

CR-V steel, high polish chrome for maximum strength and triple chrome-plated with an ultra-smooth, high-polish finish for added life. Meets and exceeds ANSI for strength and performance. Molded case for convenient storage. Full lifetime guarantee on all components.

BK **774-0103**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

SEE PAGE 14 FOR CONTENTS LISTING.

SAE **Contains SAE Components.**

MET **Contains Metric Components.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

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Master Tool Sets

EVERCRAFT™ MASTER SET CONTENTS

Item No.	Description	BK 774-0103 30 Pc. Set	BK 774-0178 78 Pc. Set	BK 774-0290 90 Pc. Set
BK 774-1205	1/4" Dr. 6 Pt.; 5/32"		•	•
BK 774-1206	1/4" Dr. 6 Pt.; 3/16"		•	•
BK 774-1207	1/4" Dr. 6 Pt.; 7/32"		•	•
BK 774-1208	1/4" Dr. 6 Pt.; 1/4"	•	•	•
BK 774-1209	1/4" Dr. 6 Pt.; 9/32"	•	•	•
BK 774-1210	1/4" Dr. 6 Pt.; 5/16"	•	•	•
BK 774-1211	1/4" Dr. 6 Pt.; 11/32"	•	•	•
BK 774-1212	1/4" Dr. 6 Pt.; 3/8"		•	•
—	1/4" Dr. 6 Pt.; 13/32"		•	
BK 774-1214	1/4" Dr. 6 Pt.; 7/16"		•	•
BK 774-1216	1/4" Dr. 6 Pt.; 1/2"		•	•
—	1/4" Dr. 6 Pt.; 9/16"		•	
BK 774-1304	1/4" Dr. 6 Pt.; 4mm		•	•
BK 774-1305	1/4" Dr. 6 Pt.; 5mm		•	•
BK 774-1306	1/4" Dr. 6 Pt.; 6mm	•	•	•
BK 774-1307	1/4" Dr. 6 Pt.; 7mm	•	•	•
BK 774-1308	1/4" Dr. 6 Pt.; 8mm	•	•	•
BK 774-1309	1/4" Dr. 6 Pt.; 9mm	•	•	•
BK 774-1310	1/4" Dr. 6 Pt.; 10mm		•	•
BK 774-1311	1/4" Dr. 6 Pt.; 11mm		•	•
BK 774-1312	1/4" Dr. 6 Pt.; 12mm		•	•
BK 774-1313	1/4" Dr. 6 Pt.; 13mm		•	•
BK 774-1107	1/4" Dr. 6 Pt.; 7/32" Deep			•
BK 774-1108	1/4" Dr. 6 Pt.; 1/4" Deep		•	•
BK 774-1109	1/4" Dr. 6 Pt.; 9/32" Deep		•	•
BK 774-1110	1/4" Dr. 6 Pt.; 5/16" Deep		•	•
BK 774-1111	1/4" Dr. 6 Pt.; 11/32" Deep		•	•
BK 774-1112	1/4" Dr. 6 Pt.; 3/8" Deep		•	•
BK 774-1114	1/4" Dr. 6 Pt.; 7/16" Deep			•
BK 774-1116	1/4" Dr. 6 Pt.; 1/2" Deep			•
BK 774-1706	1/4" Dr. 6 Pt.; 6mm Deep		•	
BK 774-1707	1/4" Dr. 6 Pt.; 7mm Deep		•	
BK 774-1708	1/4" Dr. 6 Pt.; 8mm Deep		•	
BK 774-1709	1/4" Dr. 6 Pt.; 9mm Deep		•	
BK 774-1710	1/4" Dr. 6 Pt.; 10mm Deep		•	
—	1/4" Dr. 8 Pt.; 1/4"			•
—	1/4" Dr. 8 Pt.; 5/16"			•
—	1/4" Dr. 8 Pt.; 3/8"			•
BK 774-1408	3/8" Dr. 6 Pt.; 1/4"		•	
BK 774-1410	3/8" Dr. 6 Pt.; 5/16"		•	
BK 774-1412	3/8" Dr. 6 Pt.; 3/8"	•	•	
BK 774-1414	3/8" Dr. 6 Pt.; 7/16"	•	•	
—	3/8" Dr. 6 Pt.; 1/2"		•	
—	3/8" Dr. 6 Pt.; 9/16"		•	
—	3/8" Dr. 6 Pt.; 5/8"		•	
—	3/8" Dr. 6 Pt.; 11/16"		•	
—	3/8" Dr. 6 Pt.; 3/4"		•	
—	3/8" Dr. 6 Pt.; 13/16"		•	
BK 774-1509	3/8" Dr. 6 Pt.; 9mm		•	
BK 774-1510	3/8" Dr. 6 Pt.; 10mm	•	•	
BK 774-1511	3/8" Dr. 6 Pt.; 11mm	•	•	
BK 774-1512	3/8" Dr. 6 Pt.; 12mm	•	•	
—	3/8" Dr. 6 Pt.; 13mm		•	
—	3/8" Dr. 6 Pt.; 14mm		•	
—	3/8" Dr. 6 Pt.; 15mm		•	
—	3/8" Dr. 6 Pt.; 16mm		•	
—	3/8" Dr. 6 Pt.; 17mm		•	
—	3/8" Dr. 6 Pt.; 19mm		•	
BK 774-5312	3/8" Dr. 6 Pt.; 3/8" Deep		•	
BK 774-5314	3/8" Dr. 6 Pt.; 7/16" Deep		•	
BK 774-5316	3/8" Dr. 6 Pt.; 1/2" Deep		•	
BK 774-5318	3/8" Dr. 6 Pt.; 9/16" Deep		•	
BK 774-5411	3/8" Dr. 6 Pt.; 11mm Deep		•	
BK 774-5412	3/8" Dr. 6 Pt.; 12mm Deep		•	
BK 774-5413	3/8" Dr. 6 Pt.; 13mm Deep		•	
BK 774-5414	3/8" Dr. 6 Pt.; 14mm Deep		•	
—	3/8" Dr. 8 Pt.; 1/4"		•	
—	3/8" Dr. 8 Pt.; 5/16"		•	

Item No.	Description	BK 774-0103 30 Pc. Set	BK 774-0178 78 Pc. Set	BK 774-0290 90 Pc. Set
—	3/8" Dr. 8 Pt.; 3/8"		•	
—	3/8" Dr. 12 Pt.1/4"		•	
—	3/8" Dr. 12 Pt. 5/16"		•	
—	3/8" Dr. 12 Pt.; 3/8"		•	•
—	3/8" Dr. 12 Pt.; 7/16"		•	•
BK 774-1416	3/8" Dr. 12 Pt.; 1/2"	•	•	•
BK 774-1418	3/8" Dr. 12 Pt.; 9/16"	•	•	•
BK 774-1420	3/8" Dr. 12 Pt.; 5/8"	•	•	•
BK 774-1422	3/8" Dr. 12 Pt.; 11/16"	•	•	•
BK 774-1424	3/8" Dr. 12 Pt.; 3/4"		•	•
BK 774-1426	3/8" Dr. 12 Pt.; 13/16"			•
—	3/8" Dr. 12 Pt.; 9mm			•
—	3/8" Dr. 12 Pt. 10mm			•
—	3/8" Dr. 12 Pt.; 11mm			•
—	3/8" Dr. 12 Pt.; 12mm			•
BK 774-1513	3/8" Dr. 12 Pt.; 13mm	•		•
BK 774-1514	3/8" Dr. 12 Pt.; 14mm	•		•
BK 774-1516	3/8" Dr. 12 Pt.; 16mm	•		•
BK 774-1517	3/8" Dr. 12 Pt.; 17mm	•		•
BK 774-1518	3/8" Dr. 12 Pt.; 18mm	•		
BK 774-1519	3/8" Dr. 12 Pt.; 19mm	•		
—	3/8" Dr. 12 Pt.; 3/8" Deep			•
—	3/8" Dr. 12 Pt.; 7/16" Deep			•
—	3/8" Dr. 12 Pt.; 1/2" Deep			•
—	3/8" Dr. 12 Pt.; 9/16" Deep			•
—	3/8" Dr. 12 Pt.; 5/8" Deep			•
—	3/8" Dr. 12 Pt.; 11/16" Deep			•
—	3/8" Dr. 12 Pt.; 3/4" Deep			•
—	3/8" Dr. 12 Pt.; 13/16" Deep			•
—	1/2" Dr. 12 Pt.; 9/16"			•
—	1/2" Dr. 12 Pt.; 5/8"			•
BK 774-1622	1/2" Dr. 12 Pt.; 11/16"			•
BK 774-1624	1/2" Dr. 12 Pt.; 3/4"			•
BK 774-1626	1/2" Dr. 12 Pt.; 13/16"			•
BK 774-1628	1/2" Dr. 12 Pt.; 7/8"			•
BK 774-1630	1/2" Dr. 12 Pt.; 15/16"			•
BK 774-1632	1/2" Dr. 12 Pt.; 1"			•
BK 774-1634	1/2" Dr. 12 Pt.; 1 1/16"			•
BK 774-1636	1/2" Dr. 12 Pt.; 1 1/8"			•
BK 774-1640	1/2" Dr. 12 Pt.; 1 1/4"			•
—	1/2" Dr. 12 Pt.; 10mm			•
—	1/2" Dr. 12 Pt.; 11mm			•
—	1/2" Dr. 12 Pt.; 12mm			•
—	1/2" Dr. 12 Pt.; 13mm			•
—	1/2" Dr. 12 Pt.; 14mm			•
—	1/2" Dr. 12 Pt.; 15mm			•
—	1/2" Dr. 12 Pt.; 16mm			•
BK 774-5517	1/2" Dr. 12 Pt.; 17mm			•
BK 774-5519	1/2" Dr. 12 Pt.; 19mm			•
BK 774-5521	1/2" Dr. 12 Pt.; 21mm			•
BK 774-5522	1/2" Dr. 12 Pt.; 22mm			•
BK 774-5524	1/2" Dr. 12 Pt.; 24mm			•
BK 774-1478	Spark Plug; 3/8" Dr., 5/8"	•	•	•
BK 774-1477	Spark Plug; 3/8" Dr., 13/16"	•	•	•
BK 774-1278	Extension; 1/4" Dr., 3"		•	•
BK 774-1279	Extension; 1/4" Dr., 6"			•
BK 774-1475	Extension; 3/8" Dr., 3"	•	•	•
BK 774-1476	Extension; 3/8" Dr., 6"		•	•
BK 774-1675	Extension; 1/2" Dr., 5"			•
BK 774-1670	Extension; 1/2" Dr., 10"			•
BK 774-1479	Reducer, 3/8" F. x 1/4" M.	•		
BK 774-1277	Driver Handle; 1/4"			•
BK 774-1276	Deluxe Ratchet; 1/4" Dr.		•	•
BK 774-1480	Standard Ratchet, 3/8" Dr.	•		
BK 774-1481	Deluxe Ratchet; 3/8" Dr.		•	•
BK 774-1680	Deluxe Ratchet; 1/2" Dr.			•
—	Blow Mold Case	•	•	•

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

EVERCRAFT

129 PC. TOOL SET
- Quick-release ratchet
- Heavy-duty blow molded case included
- Chrome vanadium steel for strength and durability
- Metric & SAE
- ¼ in. and ½ in. drive sizes

BK **774-0242**

EVERCRAFT

92 PC. MECHANICS TOOL SET
- Quick-release ratchet
- Heavy-duty blow molded case included
- Chrome vanadium steel for strength and durability
- Metric & SAE

BK **774-0241**

GEARWRENCH

76 PC. 1/4" & 3/8" DR. 12 POINT SOCKET SET
- Full polish chrome sockets with large hard stamp size markings
- 12 pt. standard and deep sockets ranging in size from 3/16" - 1" and 4mm - 19mm
- (2) 84 Tooth full polish chrome thin profile ratchets

APX **80948**

DEWALT

142 PC. 1/4 IN. & 3/8 IN. DRIVE MECHANICS TOOLS SET

DEW **DWMT73802**

DEWALT

108 PC. 1/4 IN. & 3/8 IN. DRIVE MECHANICS TOOLS SET

DEW **DWMT73801**

DEWALT

34 PC. 1/4 IN. AND 3/8 IN. DRIVE SOCKET SET

DEW **DWMT73804**

EVERCRAFT

63 PC. 1/4 IN. & 3/8 IN. DR. 6 PT. SOCKET SET

This Evercraft™ socket set makes a perfect addition to any tool collection.
- Quick-release ratchet
- Chrome vanadium steel for strength and durability
- SAE & Metric

BK **774-0232**

CARLYLE TOOLS by NAPA

10 PC. MASTER SOCKET SET

This set is comprised of a 10mm standard, mid-length, deep, universal and impact socket for both ¼ and ⅜ inch drives, making it a perfect addition to any socket collection.
- Quality construction provides durability and long-last performance
- Chrome Molybdenum Steel, CR-V material

Contents: ¼" Drive: (1) Standard Socket, (1) Mid-Length Socket, (1) Deep Socket, (1) Universal Socket, (1) Impact Socket. 3/8" Drive: (1) Standard Socket, (1) Mid-Length Socket, (1) Deep Socket, (1) Universal Socket, (1) Impact Socket

CHT **SS1438010M**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GEARWRENCH

APX **80319**

APX **80102**

APX **80576**

APX **80945**

APX **80946**

SOCKET SETS

Single size socket sets have various options for length and accessibility all on one rail for ease of use.

Item No.	Description	Drive Size
APX **80102**	5 Pc., 8mm Socket Set	1/4"
APX **80319**	10 Pc., 10mm Socket Set	1/4" and 3/8"
APX **80576**	10 Pc., 12mm Socket Set	1/4" and 3/8"

1/4 In. Dr. Sockets & Sets

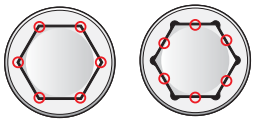
CARLYLE TOOLS by NAPA

CARLYLE® ADVANTAGE

Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on fasteners with rounded corners.

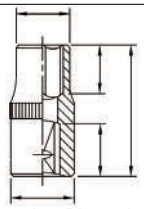


Other Carlyle®

SAE Metric

CARLYLE® EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.



For Complete Dimensional Specifications go to www.carlyletools.com

www.carlyletools.com/products/sockets

CHT **SS14015M**

CHT **SS14012**

1/4 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS14015M 15 Pc. Set w/Case	*CHT* SS14014 14 Pc. Set w/Case	*CHT* SS14014M 14 Pc. Set w/Rail	*CHT* SS14012 12 Pc. Set w/Rail	*CHT* SS14010M 10 Pc. Set w/Rail	*CHT* SS14009 9 Pc. Set w/Rail
CHT **S14004**	1/8"				•		
CHT **S14005**	5/32"				•		
CHT **S14006**	3/16"		•		•		•
CHT **S14007**	7/32"		•		•		•
CHT **S14008**	1/4"		•		•		•
CHT **S14009**	9/32"		•		•		•
CHT **S14010**	5/16"		•		•		•
CHT **S14011**	11/32"		•		•		•
CHT **S14012**	3/8"		•		•		•
CHT **S14014**	7/16"		•		•		•
CHT **S14016**	1/2"		•		•		•
CHT **S14018**	9/16"				•		
CHT **S14004M**	4mm			•			
CHT **S140045M**	4.5mm			•			
CHT **S14005M**	5mm	•		•		•	
CHT **S140055M**	5.5mm			•			
CHT **S14006M**	6mm	•		•		•	
CHT **S14007M**	7mm	•		•		•	
CHT **S14008M**	8mm	•		•		•	
CHT **S14009M**	9mm	•		•		•	
CHT **S14010M**	10mm	•		•		•	
CHT **S14011M**	11mm	•		•		•	
CHT **S14012M**	12mm	•		•		•	
CHT **S14013M**	13mm	•		•		•	
CHT **S14014M**	14mm	•		•		•	
CHT **S14015M**	15mm			•			
CHT **R14TD**	Teardrop Ratchet	•	•				
CHT **DH14**	Driver Handle	•	•				
CHT **EXT1402**	Extension, 2"	•	•				
CHT **EXT1406**	Extension, 6"	•	•				
CHT **UNIV14**	Universal Joint	•	•				

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE TOOLS by NAPA

CHT **SS14112**

CHT **SS14114M**

1/4 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS14114M 14 Pc. Set w/Rail	*CHT* SS14112 12 Pc. Set w/Rail	*CHT* SS14110M 10 Pc. Set w/Rail	*CHT* SS14109 9 Pc. Set w/Rail
CHT **S14104**	1/8"		•		
CHT **S14105**	5/32"		•		
CHT **S14106**	3/16"		•		•
CHT **S14107**	7/32"		•		•
CHT **S14108**	1/4"		•		•
CHT **S14109**	9/32"		•		•
CHT **S14110**	5/16"		•		•
CHT **S14111**	11/32"		•		•
CHT **S14112**	3/8"		•		•
CHT **S14114**	7/16"		•		•
CHT **S14116**	1/2"		•		•
CHT **S14118**	9/16"		•		
CHT **S14104M**	4mm	•			
CHT **S141045M**	4.5mm	•			
CHT **S14105M**	5mm	•		•	
CHT **S141055M**	5.5mm	•			
CHT **S14106M**	6mm	•		•	
CHT **S14107M**	7mm	•		•	
CHT **S14108M**	8mm	•		•	
CHT **S14109M**	9mm	•		•	
CHT **S14110M**	10mm	•		•	
CHT **S14111M**	11mm	•		•	
CHT **S14112M**	12mm	•		•	
CHT **S14113M**	13mm	•		•	
CHT **S14114M**	14mm	•		•	
CHT **S14115M**	15mm	•			

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CHT **SSMD14010**

CHT **SSMD14013M**

1/4 IN. DR. 6 PT. MID-DEPTH SOCKETS & SETS

Mid-depth sockets provide additional depth that is over 25% longer than the standard length sockets. Mirror polish chrome-plated finish resists rust. Ideal for limited spaces like dash boards and underhood compartments. Will quickly become your "go to" socket.

Item No.	Socket Size	*CHT* SSMD14010 10 Pc. Set w/Rail
CHT **SMD14006**	3/16"	•
CHT **SMD14007**	7/32"	•
CHT **SMD14008**	1/4"	•
CHT **SMD14009**	9/32"	•
CHT **SMD14010**	5/16"	•
CHT **SMD14011**	11/32"	•
CHT **SMD14012**	3/8"	•
CHT **SMD14014**	7/16"	•
CHT **SMD14016**	1/2"	•
CHT **SMD14018**	9/16"	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Item No.	Socket Size	*CHT* SSMD14013M 13 Pc. Set w/Rail
CHT **SMD14004M**	4mm	•
CHT **SMD14005M**	5mm	•
CHT **SMD140055M**	5.5mm	•
CHT **SMD14006M**	6mm	•
CHT **SMD14007M**	7mm	•
CHT **SMD14008M**	8mm	•
CHT **SMD14009M**	9mm	•
CHT **SMD14010M**	10mm	•
CHT **SMD14011M**	11mm	•
CHT **SMD14012M**	12mm	•
CHT **SMD14013M**	13mm	•
CHT **SMD14014M**	14mm	•
CHT **SMD14015M**	15mm	•

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/4 In. Dr. Sockets & Sets

CARLYLE TOOLS by NAPA

CHT **SSD14012** SAE

CHT **SSD14014M** MET

1/4 IN. DR. 6 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD14012 12 Pc. Set w/Rail	*CHT* SSD14009 9 Pc. Set w/Rail
CHT **SD14004**	1/8"	•	
CHT **SD14005**	5/32"	•	
CHT **SD14006**	3/16"	•	•
CHT **SD14007**	7/32"	•	•
CHT **SD14008**	1/4"	•	•
CHT **SD14009**	9/32"	•	•
CHT **SD14010**	5/16"	•	•
CHT **SD14011**	11/32"	•	•
CHT **SD14012**	3/8"	•	•
CHT **SD14014**	7/16"	•	•
CHT **SD14016**	1/2"	•	•
CHT **SD14018**	9/16"	•	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Item No.	Socket Size	*CHT* SSD14014M 14 Pc. Set w/Rail	*CHT* SSD14010M 10 Pc. Set w/Rail
CHT **SD14004M**	4mm	•	
CHT **SD140045M**	4.5mm	•	
CHT **SD14005M**	5mm	•	•
CHT **SD140055M**	5.5mm	•	
CHT **SD14006M**	6mm	•	•
CHT **SD14007M**	7mm	•	•
CHT **SD14008M**	8mm	•	•
CHT **SD14009M**	9mm	•	•
CHT **SD14010M**	10mm	•	•
CHT **SD14011M**	11mm	•	•
CHT **SD14012M**	12mm	•	•
CHT **SD14013M**	13mm	•	•
CHT **SD14014M**	14mm	•	•
CHT **SD14015M**	15mm	•	

CHT **SSD14112** SAE

CHT **SSD14114M** MET

1/4 IN. DR. 12 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD14112 12 Pc. Set w/Rail	*CHT* SSD14109 9 Pc. Set w/Rail
CHT **SD14104**	1/8"	•	
CHT **SD14105**	5/32"	•	
CHT **SD14106**	3/16"	•	•
CHT **SD14107**	7/32"	•	•
CHT **SD14108**	1/4"	•	•
CHT **SD14109**	9/32"	•	•
CHT **SD14110**	5/16"	•	•
CHT **SD14111**	11/32"	•	•
CHT **SD14112**	3/8"	•	•
CHT **SD14114**	7/16"	•	•
CHT **SD14116**	1/2"	•	•
CHT **SD14118**	9/16"	•	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Item No.	Socket Size	*CHT* SSD14114M 14 Pc. Set w/Rail	*CHT* SSD14110M 10 Pc. Set w/Rail
CHT **SD14104M**	4mm	•	
CHT **SD141045M**	4.5mm	•	
CHT **SD14105M**	5mm	•	•
CHT **SD141055M**	5.5mm	•	
CHT **SD14106M**	6mm	•	•
CHT **SD14107M**	7mm	•	•
CHT **SD14108M**	8mm	•	•
CHT **SD14109M**	9mm	•	•
CHT **SD14110M**	10mm	•	•
CHT **SD14111M**	11mm	•	•
CHT **SD14112M**	12mm	•	•
CHT **SD14113M**	13mm	•	•
CHT **SD14114M**	14mm	•	•
CHT **SD14115M**	15mm	•	

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE TOOLS by NAPA

CHT **SSU14010**

SAE MET

1/4 IN. DR. 6 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU14012M 12 Pc. Set w/Rail	*CHT* SSU14010 10 Pc. Set w/Rail
CHT **SU14006**	3/16"		•
CHT **SU14007**	7/32"		•
CHT **SU14008**	1/4"		•
CHT **SU14009**	9/32"		•
CHT **SU14010**	5/16"		•
CHT **SU14011**	11/32"		•
CHT **SU14012**	3/8"		•
CHT **SU14014**	7/16"		•
CHT **SU14016**	1/2"		•
CHT **SU14018**	9/16"		•
CHT **SU14005M**	5mm	•	
CHT **SU140055M**	5.5mm	•	
CHT **SU14006M**	6mm	•	
CHT **SU14007M**	7mm	•	
CHT **SU14008M**	8mm	•	
CHT **SU14009M**	9mm	•	
CHT **SU14010M**	10mm	•	
CHT **SU14011M**	11mm	•	
CHT **SU14012M**	12mm	•	
CHT **SU14013M**	13mm	•	
CHT **SU14014M**	14mm	•	
CHT **SU14015M**	15mm	•	

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CHT **SSU14112M**

SAE MET

1/4 IN. DR. 12 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU14112M 12 Pc. Set w/Rail	*CHT* SSU14110 10 Pc. Set w/Rail
CHT **SU14106**	3/16"		•
CHT **SU14107**	7/32"		•
CHT **SU14108**	1/4"		•
CHT **SU14109**	9/32"		•
CHT **SU14110**	5/16"		•
CHT **SU14111**	11/32"		•
CHT **SU14112**	3/8"		•
CHT **SU14114**	7/16"		•
CHT **SU14116**	1/2"		•
CHT **SU14118**	9/16"		•
CHT **SU14105M**	5mm	•	
CHT **SU141055M**	5.5mm	•	
CHT **SU14106M**	6mm	•	
CHT **SU14107M**	7mm	•	
CHT **SU14108M**	8mm	•	
CHT **SU14109M**	9mm	•	
CHT **SU14110M**	10mm	•	
CHT **SU14111M**	11mm	•	
CHT **SU14112M**	12mm	•	
CHT **SU14113M**	13mm	•	
CHT **SU14114M**	14mm	•	
CHT **SU14115M**	15mm	•	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

1/4 In. Dr. Sockets & Sets

GEARWRENCH

51 PC. SOCKET SET - 1/4 IN. DR.

- Full polish chrome sockets with large hard stamp size markings
- 84 tooth full polish chrome thin profile ratchet

APX **80300**

Contents

Description	Size
6-Point SAE Standard Sockets	3/16"- 9/16"
6 Point SAE Deep Sockets	3/16" - 9/16"
6-Point Metric Standard Sockets	4 - 15mm
6 Point Metric Deep Sockets	4 - 15mm

Thumbwheel ratchet, 84 Tooth Ratchet, 2" and 6" Extension

GEARWRENCH

47 PC. SOCKET SET - 1/4 IN. DR.

- Full polish chrome sockets with large hard stamp size markings

APX **80314D**

Contents

Description	Size
6-Point SAE Standard Sockets	3/16"- 9/16"
6 Point SAE Deep Sockets	3/16" - 9/16"
6-Point Metric Standard Sockets	4 - 15mm
6 Point Metric Deep Sockets	4 - 15mm

GEARWRENCH

SAE MET

26 PIECE SET WITH CASE 1/4 IN. DR. PASS-THRU SOCKETS & SETS

- Up to 50% thinner head profile than conventional ratchet systems
- 11 locking head positions on *APX* **891400**
- 5° Ratcheting arc
- Up to 40% stronger than traditional ratchets by eliminating drive tang
- Dual material comfort grip handle
- Pass-Thru® ratchet and socket system eliminates the need for deep sockets

APX **891427**

GEARWRENCH

22 PC. 1/4 IN. DR. 6 PT. SOCKET SET

- 6 pt. SAE / MET sockets

APX **8800A**

Contents

Description	Size
6-Point SAE Standard Sockets	5/32" – 1/2"
6-Point Metric Standard Sockets	4 - 13mm

Quick-Release Ratchet, 4" Extension

CRAFTSMAN

24 PC. 1/4 IN. DR. 6 PT. SAE MECHANICS TOOL SETS

Mechanics Tool set comes equipped with a 72 Tooth ratchet, a broad assortment of drive tools, and a compact storage case.

CTM **CMMT12009LZ** SAE: 5/32" - 9/16", 1/4" Drive Ratchet
CTM **CMMT12010LZ** Metric: 4 -13mm, 1/4" Drive Ratchet

CRAFTSMAN

20 PC. 1/4 IN. DR. 6 PT. MECHANICS TOOL SET

20 pc. 1/4" Drive 6 Point Mechanics Tool Set comes equipped with a 72 Tooth ratchet, a broad assortment of drive tools, and a compact storage case. This set is perfect for automotive repair, general construction, and DIY repairs.

Includes: 3/16" - 9/16", 5 - 13mm, 1/4" Drive Ratchet and Case

CTM **CMMT12008**

CRAFTSMAN

11 PC. 1/4 IN. DR. SAE & METRIC 6 PT. DEEP SOCKET SETS

The 11 pc. 1/4" Drive 6 Point Deep SAE Socket Set comes equipped with a broad assortment of sockets.

CTM **CMMT12050** 5/32" - 9/16"
CTM **CMMT12051** 4 - 14mm

CTM **CMMT12050**

EVERCRAFT

70 PC. 1/4 IN. DR. 6 PT. SOCKET SET

- Quick-release ratchet
- Chrome vanadium steel for strength and durability
- Metric & SAE

BK **774-0240**

BK **774-1208** *BK* **774-1108** *BK* **774-1308** *BK* **774-1708**

EVERCRAFT™

BK **774-0109**

BK **774-0108**

1/4 IN. DR. 6 PT. SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra-smooth, high polish and finish for added life
- Meets and exceeds ANSI for strength and performance
- Full lifetime warranty

Item No.	Socket Size	*BK* 774-0108 36 Pc. Set w/Case	*BK* 774-0107 17 Pc. Set w/Case	*BK* 774-0110 10 Pc. Set	*BK* 774-0109 7 Pc. Set
6 Pt. STANDARD					
BK **774-1205**	5/32"				
BK **774-1206**	3/16"	•	•		
BK **774-1207**	7/32"	•	•		
BK **774-1208**	1/4"	•	•		
BK **774-1209**	9/32"	•	•		
BK **774-1210**	5/16"	•	•		
BK **774-1211**	11/32"	•	•		
BK **774-1212**	3/8"	•	•		
BK **774-1214**	7/16"	•	•		
BK **774-1216**	1/2"	•	•		
BK **774-1304**	4mm				
BK **774-1305**	5mm				
BK **774-13055**	5.5mm				
BK **774-1306**	6mm	•			
BK **774-1307**	7mm	•	•		
BK **774-1308**	8mm	•	•		
BK **774-1309**	9mm	•	•		
BK **774-1310**	10mm	•	•		
BK **774-1311**	11mm	•			
BK **774-1312**	12mm	•			
BK **774-1313**	13mm				
BK **774-1314**	14mm				
BK **774-1315**	15mm				
6 Pt. DEEP					
BK **774-1105**	5/32"				
BK **774-1106**	3/16"	•		•	
BK **774-1107**	7/32"	•		•	
BK **774-1108**	1/4"	•		•	
BK **774-1109**	9/32"	•		•	
BK **774-1110**	5/16"	•		•	
BK **774-1111**	11/32"	•		•	
BK **774-1112**	3/8"	•		•	
BK **774-1114**	7/16"	•		•	
BK **774-1116**	1/2"	•		•	
BK **774-11188**	9/16"				
BK **774-1704**	4mm				
BK **774-1705**	5mm				
6 Pt. DEEP					
BK **774-17055**	5.5mm				
BK **774-1706**	6mm	•			•
BK **774-1707**	7mm	•			•
BK **774-1708**	8mm	•			•
BK **774-1709**	9mm	•			•
BK **774-1710**	10mm	•			•
BK **774-1711**	11mm	•			•
BK **774-1712**	12mm	•			•
BK **774-1713**	13mm				
BK **774-1714**	14mm				
BK **774-1715**	15mm				
BK **774-1230**	Univ. Joint Adapter	•			
BK **774-1278**	3" Extension	•	•		
BK **774-1279**	6" Extension	•	•		
BK **774-1276**	Deluxe 5" Ratchet	•			
BK **774-1277**	Driver Handle		•		
BK **774-1275**	Ratchet, Standard		•		

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

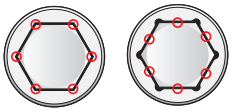
3/8 In. Dr. Sockets & Sets

CARLYLE® ADVANTAGE

Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on a fasteners with rounded corners.

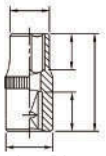


Other Carlyle®

SAE Metric

EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.



For Complete Dimensional Specifications go to www.carlyletools.com

CARLYLE TOOLS by NAPA

www.carlyletools.com/products/sockets

SAE *CHT* **SS38014**

CHT **SS38012M** MET

3/8 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS38017M 17 Pc. Set w/Case	*CHT* SS38014 14 Pc. Set w/Case	*CHT* SS38019M 19 Pc. Set w/Rail	*CHT* SS38015 15 Pc. Set w/Rail	*CHT* SS38012M 12 Pc. Set w/Rail	*CHT* SS38009 9 Pc. Set w/Rail
CHT **S38008**	1/4"				•		
CHT **S38009**	9/32"				•		
CHT **S38010**	5/16"				•		
CHT **S38011**	11/32"				•		
CHT **S38012**	3/8"		•		•		•
CHT **S38014**	7/16"		•		•		•
CHT **S38016**	1/2"		•		•		•
CHT **S38018**	9/16"		•		•		•
CHT **S38020**	5/8"		•		•		•
CHT **S38022**	11/16"		•		•		•
CHT **S38024**	3/4"		•		•		•
CHT **S38026**	13/16"		•		•		•
CHT **S38028**	7/8"		•		•		•
CHT **S38030**	15/16"				•		
CHT **S38032**	1"				•		
CHT **S38006M**	6mm			•			
CHT **S38007M**	7mm			•			
CHT **S38008M**	8mm	•		•		•	
CHT **S38009M**	9mm	•		•		•	
CHT **S38010M**	10mm	•		•		•	
CHT **S38011M**	11mm	•		•		•	
CHT **S38012M**	12mm	•		•		•	
CHT **S38013M**	13mm	•		•		•	
CHT **S38014M**	14mm	•		•		•	
CHT **S38015M**	15mm	•		•		•	
CHT **S38016M**	16mm	•		•		•	
CHT **S38017M**	17mm	•		•		•	
CHT **S38018M**	18mm	•		•		•	
CHT **S38019M**	19mm	•		•		•	
CHT **S38020M**	20mm			•			
CHT **S38021M**	21mm			•			
CHT **S38022M**	22mm			•			
CHT **S38023M**	23mm			•			
CHT **S38024M**	24mm			•			
CHT **R38TD**	Teardrop Ratchet	•	•				
CHT **EXT3803**	3" Wobble Ext.	•	•				
CHT **EXT3806**	6" Wobble Ext.	•	•				
CHT **UNIV38**	Universal Joint	•	•				
CHT **FH38**	Breaker Bar	•	•				

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

CARLYLE TOOLS by NAPA

3/8 IN. DR. 8 PT. STANDARD SOCKETS

Item No.	Socket Size
CHT **S38208**	1/4"
CHT **S38209**	9/32"
CHT **S38210**	5/16"
CHT **S38212**	3/8"

Item No.	Socket Size
CHT **S38214**	7/16"
CHT **S38216**	1/2"
CHT **S38218**	9/16"
CHT **S38220**	5/8"

SAE *CHT* **S38218**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **SS38115** SAE

MET *CHT* **SS38112M**

MET *CHT* **SS38117M**

3/8 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* **SS38117M** 17 Pc. Set w/Case	*CHT* **SS38114** 14 Pc. Set w/Case	*CHT* **SS38119M** 19 Pc. Set w/Rail	*CHT* **SS38115** 15 Pc. Set w/ Rail	*CHT* **SS38112M** 12 Pc. Set w/Rail	*CHT* **SS38109** 9 Pc. Set w/Rail
CHT **S38108**	1/4"				•		
CHT **S38109**	9/32"				•		
CHT **S38110**	5/16"				•		
CHT **S38111**	11/32"				•		
CHT **S38112**	3/8"		•		•		•
CHT **S38114**	7/16"		•		•		•
CHT **S38116**	1/2"		•		•		•
CHT **S38118**	9/16"		•		•		•
CHT **S38120**	5/8"		•		•		•
CHT **S38122**	11/16"		•		•		•
CHT **S38124**	3/4"		•		•		•
CHT **S38126**	13/16"		•		•		•
CHT **S38128**	7/8"		•		•		•
CHT **S38130**	15/16"				•		
CHT **S38132**	1"				•		
CHT **S38106M**	6mm			•			
CHT **S38107M**	7mm			•			
CHT **S38108M**	8mm	•		•		•	
CHT **S38109M**	9mm	•		•		•	
CHT **S38110M**	10mm	•		•		•	
CHT **S38111M**	11mm	•		•		•	
CHT **S38112M**	12mm	•		•		•	
CHT **S38113M**	13mm	•		•		•	
CHT **S38114M**	14mm	•		•		•	
CHT **S38115M**	15mm	•		•		•	
CHT **S38116M**	16mm	•		•		•	
CHT **S38117M**	17mm	•		•		•	
CHT **S38118M**	18mm	•		•		•	
CHT **S38119M**	19mm	•		•		•	
CHT **S38120M**	20mm			•			
CHT **S38121M**	21mm			•			
CHT **S38122M**	22mm			•			
CHT **S38123M**	23mm			•			
CHT **S38124M**	24mm			•			
CHT **R38TD**	Teardrop Ratchet	•	•				
CHT **EXT3803**	3" Wobble Ext.	•	•				
CHT **EXT3806**	6" Wobble Ext.	•	•				
CHT **UNIV38**	Universal Joint	•	•				
CHT **FH38**	Breaker Bar	•	•				

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

CARLYLE TOOLS by NAPA

SAE *CHT* **SSMD38011**

MET *CHT* **SSMD38014M**

3/8 IN. DR. 6 PT. MID-DEPTH SOCKETS & SETS

Mid-depth sockets provide additional depth that is over 25% longer than the standard length sockets. Mirror polish chrome-plated finish resists rust. Ideal for limited spaces like dash boards and underhood compartments. Will quickly become your "go to" socket.

Item No.	Socket Size	*CHT* SSMD38011 11 Pc. Set w/Rail
CHT **SMD38008**	1/4"	•
CHT **SMD38010**	5/16"	•
CHT **SMD38012**	3/8"	•
CHT **SMD38014**	7/16"	•
CHT **SMD38016**	1/2"	•
CHT **SMD38018**	9/16"	•
CHT **SMD38020**	5/8"	•
CHT **SMD38022**	11/16"	•
CHT **SMD38024**	3/4"	•
CHT **SMD38026**	13/16"	•
CHT **SMD38028**	7/8"	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Item No.	Socket Size	*CHT* SSMD38014M 14 Pc. Set w/Rail
CHT **SMD38006M**	6mm	•
CHT **SMD38007M**	7mm	•
CHT **SMD38008M**	8mm	•
CHT **SMD38009M**	9mm	•
CHT **SMD38010M**	10mm	•
CHT **SMD38011M**	11mm	•
CHT **SMD38012M**	12mm	•
CHT **SMD38013M**	13mm	•
CHT **SMD38014M**	14mm	•
CHT **SMD38015M**	15mm	•
CHT **SMD38016M**	16mm	•
CHT **SMD38017M**	17mm	•
CHT **SMD38018M**	18mm	•
CHT **SMD38019M**	19mm	•

SAE *CHT* **SSD38014**

MET *CHT* **SSD38012M**

3/8 IN. DR. 6 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD38014 14 Pc. Set w/Rail	*CHT* SSD38009 9 Pc. Set w/Rail
CHT **SD38008**	1/4"	•	
CHT **SD38010**	5/16"	•	
CHT **SD38011**	11/32"	•	
CHT **SD38012**	3/8"	•	•
CHT **SD38014**	7/16"	•	•
CHT **SD38016**	1/2"	•	•
CHT **SD38018**	9/16"	•	•
CHT **SD38020**	5/8"	•	•
CHT **SD38022**	11/16"	•	•
CHT **SD38024**	3/4"	•	•
CHT **SD38026**	13/16"	•	•
CHT **SD38028**	7/8"	•	•
CHT **SD38030**	15/16"	•	
CHT **SD38032**	1"	•	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Item No.	Socket Size	*CHT* SSD38019M 19 Pc. Set w/Rail	*CHT* SSD38012M 12 Pc. Set w/Rail
CHT **SD38006M**	6mm	•	
CHT **SD38007M**	7mm	•	
CHT **SD38008M**	8mm	•	•
CHT **SD38009M**	9mm	•	•
CHT **SD38010M**	10mm	•	•
CHT **SD38011M**	11mm	•	•
CHT **SD38012M**	12mm	•	•
CHT **SD38013M**	13mm	•	•
CHT **SD38014M**	14mm	•	•
CHT **SD38015M**	15mm	•	•
CHT **SD38016M**	16mm	•	•
CHT **SD38017M**	17mm	•	•
CHT **SD38018M**	18mm	•	•
CHT **SD38019M**	19mm	•	•
CHT **SD38020M**	20mm	•	
CHT **SD38021M**	21mm	•	
CHT **SD38022M**	22mm	•	
CHT **SD38023M**	23mm	•	
CHT **SD38024M**	24mm	•	

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

SAE *CHT* **SSD38114**

MET *CHT* **SSD38112M**

3/8 IN. DR. 12 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD38114 14 Pc. Set w/Rail	*CHT* SSD38109 9 Pc. Set w/Rail
CHT **SD38108**	1/4"	•	
CHT **SD38110**	5/16"	•	
CHT **SD38111**	11/32"	•	
CHT **SD38112**	3/8"	•	•
CHT **SD38114**	7/16"	•	•
CHT **SD38116**	1/2"	•	•
CHT **SD38118**	9/16"	•	•
CHT **SD38120**	5/8"	•	•
CHT **SD38122**	11/16"	•	•
CHT **SD38124**	3/4"	•	•
CHT **SD38126**	13/16"	•	•
CHT **SD38128**	7/8"	•	•
CHT **SD38130**	15/16"	•	
CHT **SD38132**	1"	•	

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Item No.	Socket Size	*CHT* SSD38119M 19 Pc. Set w/Rail	*CHT* SSD38112M 12 Pc. Set w/Rail
CHT **SD38106M**	6mm	•	
CHT **SD38107M**	7mm	•	
CHT **SD38108M**	8mm	•	•
CHT **SD38109M**	9mm	•	•
CHT **SD38110M**	10mm	•	•
CHT **SD38111M**	11mm	•	•
CHT **SD38112M**	12mm	•	•
CHT **SD38113M**	13mm	•	•
CHT **SD38114M**	14mm	•	•
CHT **SD38115M**	15mm	•	•
CHT **SD38116M**	16mm	•	•
CHT **SD38117M**	17mm	•	•
CHT **SD38118M**	18mm	•	•
CHT **SD38119M**	19mm	•	•
CHT **SD38120M**	20mm	•	
CHT **SD38121M**	21mm	•	
CHT **SD38122M**	22mm	•	
CHT **SD38123M**	23mm	•	
CHT **SD38124M**	24mm	•	

SAE *CHT* **SSU38108**

MET *CHT* **SSU38010M**

3/8 IN. DR. 6 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU38010M 10 Pc. Set w/Rail	*CHT* SSU38008 8 Pc. Set w/Rail
CHT **SU38010**	5/16"		•
CHT **SU38012**	3/8"		•
CHT **SU38014**	7/16"		•
CHT **SU38016**	1/2"		•
CHT **SU38018**	9/16"		•
CHT **SU38020**	5/8"		•
CHT **SU38022**	11/16"		•
CHT **SU38024**	3/4"		•
CHT **SU38007M**	7mm		
CHT **SU38008M**	8mm		
CHT **SU38010M**	10mm	•	
CHT **SU38011M**	11mm	•	
CHT **SU38012M**	12mm	•	
CHT **SU38013M**	13mm	•	
CHT **SU38014M**	14mm	•	
CHT **SU38015M**	15mm	•	
CHT **SU38016M**	16mm	•	
CHT **SU38017M**	17mm	•	
CHT **SU38018M**	18mm	•	
CHT **SU38019M**	19mm	•	

3/8 IN. DR. 12 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU38110M 10 Pc. Set w/Rail	*CHT* SSU38108 8 Pc. Set w/Rail
CHT **SU38110**	5/16"		•
CHT **SU38112**	3/8"		•
CHT **SU38114**	7/16"		•
CHT **SU38116**	1/2"		•
CHT **SU38118**	9/16"		•
CHT **SU38120**	5/8"		•
CHT **SU38122**	11/16"		•
CHT **SU38124**	3/4"		•
CHT **SU38107M**	7mm		
CHT **SU38108M**	8mm		
CHT **SU38110M**	10mm	•	
CHT **SU38111M**	11mm	•	
CHT **SU38112M**	12mm	•	
CHT **SU38113M**	13mm	•	
CHT **SU38114M**	14mm	•	
CHT **SU38115M**	15mm	•	
CHT **SU38116M**	16mm	•	
CHT **SU38117M**	17mm	•	
CHT **SU38118M**	18mm	•	
CHT **SU38119M**	19mm	•	

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.
⚠ WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

3/8 In. Dr. Sockets & Sets

CHT **SSNS38012M**

CHT **SSNS38011M**

3/8 IN. DR. 6 PT. NON-SLIP SOCKETS & SETS

- Patented non-slip design
- Premium chrome molybdenum steel
- Protects normal nut and it can drive 70% rounded nut
- Thin wall design provides good access to complicated and tight areas

Item No.	Size	*CHT* SSNS38012M 12 pc. Set	*CHT* SSNS38011 11 pc. Set
CHT **SNS38008M**	8mm	•	
CHT **SNS38009M**	9mm	•	
CHT **SNS38010M**	10mm	•	
CHT **SNS38011M**	11mm	•	
CHT **SNS38012M**	12mm	•	
CHT **SNS38013M**	13mm	•	
CHT **SNS38014M**	14mm	•	
CHT **SNS38015M**	15mm	•	
CHT **SNS38016M**	16mm	•	
CHT **SNS38017M**	17mm	•	
CHT **SNS38018M**	18mm	•	
CHT **SNS38019M**	19mm	•	
CHT **SNS38008**	1/4"		•
CHT **SNS38010**	5/16"		•
CHT **SNS38012**	3/8"		•
CHT **SNS38014**	7/16"		•
CHT **SNS38016**	1/2"		•
CHT **SNS38018**	9/16"		•
CHT **SNS38020**	5/8"		•
CHT **SNS38022**	11/16"		•
CHT **SNS38024**	3/4"		•
CHT **SNS38026**	13/16"		•
CHT **SNS38028**	7/8"		•

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CHT **SUSP3820**

CHT **SSP3814MTW**

CHT **SSP3820**

3/8 IN. DR. SPARK PLUG SOCKETS

Sockets feature mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Socket Size
CHT **SSP3814MTW**	14mm Thin Wall
CHT **SSP3818**	9/16"
CHT **SSP3820**	5/8"
CHT **SSP3824**	3/4"
CHT **SSP3826**	13/16"
CHT **SSP3828**	7/8"
CHT **SSP3818M**	18mm
CHT **SUSP3820**	5/8" Universal Joint
CHT **SUSP3826**	13/16" Universal Joint

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **BSODP14**

3/8 IN. DR. OIL DRAIN PLUG SOCKETS & SET

The Carlyle oil drain plug sockets are a perfect addition to your arsenal of tools. Quickly and easily service newer style drain plugs.

Item No.	Description	*CHT* BSODP14 14 Pc. Set w/ Rail
CHT **S38HDP8M**	Hex 8mm; For: BMW, Ford and GM	•
CHT **S38HDP9M**	Hex 9mm; For: GM	•
CHT **S38HDP10M**	Hex 10mm; For: Ford	•
CHT **S38HDP12M**	Hex 12mm; For: Fiat, Lancer and Mercedes	•
CHT **S38HDP14M**	Hex 14mm; For: Lancer and Mercedes	•
CHT **S38HDP17M**	Hex 17mm; For: Audi, VW, BMW and Austin	•
CHT **S38SQDP10**	Square 5/16	•
CHT **S38SQDP12**	Square 3/8; For: Honda, Mazda, Renault, Saab and Volvo	•
CHT **S38SQDP7M**	Square 7mm	•
CHT **S38SQDP8M**	Square 8mm; For: Citerön, Peugeot, Renault, Talbot and Volvo	•
CHT **S38SQDP11M**	Square 11mm; For: Ford	•
CHT **S38SQDP13M**	Square 13mm; For: Nissan and Subaru	•
CHT **S38FSQDP10M**	Female Square 10mm; Used on different gearboxes. For: BMW, Ford, Renault and Toyota	•
CHT **S38MTDP10M**	Male Triangle 10mm; For: Renault	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Long reach universal joints and NEW 9/16" for 2004 and newer Ford Triton V-8 engines.

Magnetized sockets to hold spark plugs securely.

MAGNETIC SPARK PLUG SOCKETS & SET

Long reach magnetic swivel spark plug set. Covers sizes 5/8", 13/16", and the new 9/16" on Ford Triton Engines.

Item No.	Description	*SER* 41730 3 Pc. Set
SER **3928**	6" length 3/8" Dr. 5/8" Magnetic Swivel Spark Plug Socket	•
SER **3930**	6" length 3/8" Dr. 13/16" Magnetic Swivel Spark Plug Socket	•
SER **3931**	3/8" Dr. 9/16" Magnetic Spark Plug Socket	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE TOOLS by NAPA

49 PC. 3/8 IN. DR. GENERAL SERVICE TOOL SET

- 60 Tooth Ratchet
- CR-V material for strength & durability
- Mirror polish chrome plated finish resists rust
- Radius cornered 12 point socket design for better fastener control
- Case included
- 3/8 In. Drive size

CHT **MSS3849**

Item No.	Standard Socket Size	Item No.	Deep Socket Size
CHT **S38108**	1/4"	*CHT* **SD38108**	1/4"
CHT **S38110**	5/16"	*CHT* **SD38110**	5/16"
CHT **S38112**	3/8"	*CHT* **SD38112**	3/8"
CHT **S38114**	7/16"	*CHT* **SD38114**	7/16"
CHT **S38116**	1/2"	*CHT* **SD38116**	1/2"
CHT **S38118**	9/16"	*CHT* **SD38118**	9/16"
CHT **S38120**	5/8"	*CHT* **SD38120**	5/8"
CHT **S38122**	11/16"	*CHT* **SD38122**	11/16"
CHT **S38124**	3/4"	*CHT* **SD38124**	3/4"
CHT **S38126**	13/16"	*CHT* **SD38126**	13/16"
CHT **S38128**	7/8"	*CHT* **SD38128**	7/8"
CHT **S38108M**	8mm	*CHT* **SD38108M**	8mm
CHT **S38109M**	9mm	*CHT* **SD38109M**	9mm
CHT **S38110M**	10mm	*CHT* **SD38110M**	10mm
CHT **S38111M**	11mm	*CHT* **SD38111M**	11mm
CHT **S38112M**	12mm	*CHT* **SD38112M**	12mm
CHT **S38113M**	13mm	*CHT* **SD38113M**	13mm
CHT **S38114M**	14mm	*CHT* **SD38114M**	14mm
CHT **S38115M**	15mm	*CHT* **SD38115M**	15mm
CHT **S38116M**	16mm	*CHT* **SD38116M**	16mm
CHT **S38117M**	17mm	*CHT* **SD38117M**	17mm
CHT **S38119M**	19mm	*CHT* **SD38119M**	19mm

Accessories	Description
CHT **R38TD**	3/8" Teardrop Ratchet
CHT **EXT3803**	3/8" Dr. 3"Extension
CHT **EXT3810**	3/8" Dr. 10" Extension
CHT **UNIV38**	3/8" Dr. Universal Joint
CHT **FH38**	3/8" Dr. Flex Handle

GEARWRENCH

SAE MET

23 PIECE SET WITH CASE 3/8 IN. DR. PASS-THRU SOCKETS & SETS

- Up to 50% thinner head profile than conventional ratchet systems
- 11 locking head positions on *APX* **893800**
- 5° Ratcheting arc
- Up to 40% stronger than traditional ratchets by eliminating drive tang
- Dual material comfort grip handle
- Pass-Thru® ratchet and socket system eliminates the need for deep sockets

APX **893823**

GEARWRENCH

56 PC. 3/8 IN. DR. 120XP™ 6 PT. SAE/METRIC STANDARD AND DEEP MECHANICS TOOL SET

- 120XP ratchets have two double stacked 60 tooth pawls (120 positions) providing a 3° swing arc so you can turn fasteners in tighter confines
- Double-stacked pawls alternately engage the 60 tooth gear, providing exceptional strength
- Sockets feature off-corner loading design reduces fastener rounding
- Extension bars features a knurled grip, providing a non slip surface
- Bright, full polish chrome finish easily wipes clean and resists corrosion
- Hard stamped size markings
- Includes blow mold case for storage and organization
- Meets or exceeds ASME specifications

Contains: Ratchet, 2 Extensions, Universal Joint, 13 Standard SAE Sockets, 14 Standard Metric Sockets, 11 Deep SAE Sockets, 14 Deep Metric Sockets

APX **80550P**

GEARWRENCH

20 PC. 3/8 IN. DR. 12 PT. SOCKET SET

- 12 pt. SAE / MET sockets

APX **8801A**

Contents

Description	Size
12-Point SAE Standard Sockets	5/16" – 13/16"
12-Point Metric Standard Sockets	8 - 17mm

Quick-Release Ratchet, 6" Extension

Milwaukee

56 PC. 3/8 IN. DR. RATCHET & SOCKET SET – SAE & METRIC

- 90 tooth design with 4 degrees of arc swing for tight work spaces
- Parallel flats on sockets deter rolling; wrench compatible design
- Removable inner tray specifically designed for steel storage case

Features

- Flush directional lever
- Socket flats deter rolling
- Wrench-ready socket design
- Stamped socket sizes
- 4° of arc swing
- Portable carrying case

Warranty: Limited Lifetime Warranty

Includes: Standard sockets: 1/4", 5/16", 3/8", 7/16, 1/2", 9/16", 5/8", 11/16 ", 3/4", 13/16", 7/8", 15/16", 1", 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm. Deep well sockets: 1/4", 5/16", 3/8", 7/16, 1/2", 9/16", 5/8", 11/16 ", 3/4", 13/16", 7/8", 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm, 18 mm, 19 mm. Accessories: 3" extension, 6" extension, Universal swivel 90-tooth ratchet.

MIL **48-22-9008**

INDEX

3/8 In. Dr. Sockets & Sets

CRAFTSMAN

47 PC. 3/8 IN. DR.MOBILE MECHANICS TOOL SET IN SOFT STORAGE

Mobile Mechanics Tool Set comes equipped with a 72 Tooth ratchet, a broad assortment of drive tools, and a soft zipper case. This set is perfect for automotive repair, general construction, and DIY repairs.
Includes: Shallow - 5/16" - 7/8", Deep - 3/8" - 3/4", Shallow - 10 - 19mm, Deep - 10 - 19mm and 3/8" Drive Ratchet
CTM **CMMT12019**

CRAFTSMAN

40 PC. 3/8 IN. DR. 12 PT. MECHANICS TOOL SET

40 pc. 3/8" Drive 12 Point Mechanics Tool set comes equipped with a 72 Tooth ratchet, a broad assortment of drive tools, and a rugged blow mold case. The case is constructed with metal hinges for separate sets, and the dimensions are specifically designed to fit into CRAFTSMAN® metal storage boxes for easy organization.
Includes: Shallow - 5/16" - 7/8" ,Deep - 3/8" - 3/4", Shallow - 10 - 19mm, Deep - 10 - 19mm, 3/8" Drive Ratchet and Case
CTM **CMMT12018**

CRAFTSMAN

24 PC. 3/8 IN. DR. 6 PT. METRIC MECHANICS TOOL SETS

Metric Mechanics Tool set comes equipped with a 72 Tooth ratchet, a broad assortment of drive tools, and a compact storage case.

CTM **CMMT12012** SAE: 1/4" - 7/8", 3/8" Drive Ratchet
CTM **CMMT12011** Metric: 8 - 19mm, 3/8" Drive Ratchet

CRAFTSMAN

11 PC. 3/8 IN. DR. SAE SOCKET SETS WITH RATCHET

Set comes equipped with a 72 Tooth ratchet and a broad assortment of sockets. This set is perfect for automotive repair, general construction, and DIY repairs. Includes case.

CTM **CMMT12026** SAE: 5/16" - 13/16", 3/8" Ratchet
CTM **CMMT12027** Metric: 10 - 19mm, 3/8" Ratchet

CRAFTSMAN

CTM **CMMT12042**

11 PC. 3/8 IN. DR. SAE & METRIC 6 PT. SOCKET SETS

The 11 pc. 3/8" Drive 6 Point SAE/Metric Socket Set comes equipped with a broad assortment of sockets.

Item No.	Description
CTM **CMMT12042**	Shallow - 1/4" - 7/8"
CTM **CMMT12043**	Shallow - 10 - 21mm
CTM **CMMT12044**	Deep - 1/4" - 7/8"
CTM **CMMT12045**	Deep - 9 - 19mm

EVERCRAFT

47 PC. 3/8 IN. DR. 6 PT. SOCKET SET

- Quick-release ratchet
- Chrome vanadium steel for strength and durability
- Metric & SAE

BK **774-0234**

EVERCRAFT

19 PC. 3/8 IN. DR. 6 PT. SOCKET & RATCHET SET

- Quick-release ratchet
- Chrome vanadium steel for strength and durability
- Metric & SAE
- Case included

BK **774-0238**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

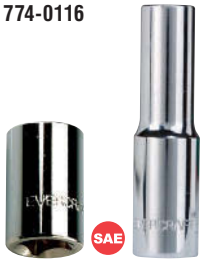
EVERCRAFT™

3/8 IN. DR. 6 PT., 12 PT. SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra – smooth, high polish finish for added life
- Meets and exceeds ANSI for strength and performance
- Full lifetime warranty on components

BK **774-0111**

BK **774-0116**



BK **774-1428** *BK* **774-5328**

BK **774-1511** *BK* **774-5411**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Item No.	Socket Size	*BK* 774-0111 43 Pc. Set w/ Case	*BK* 774-0102 13 Pc. Set w/Case	*BK* 774-0101 11 Pc. Set w/Case	*BK* 774-0117 10 Pc. Set	*BK* 774-0116 8 Pc. Set
6 PT. STANDARD						
BK **774-1408**	1/4"		•			
BK **774-1409**	9/32"		•			
BK **774-1410**	5/16"					
BK **774-1412**	3/8"	•	•			
BK **774-1414**	7/16"	•	•			
BK **774-1430**	15/16"					
BK **774-1432**	1"					
BK **774-1506**	6mm					
BK **774-1507**	7mm					
BK **774-1508**	8mm					
BK **774-1509**	9mm					
BK **774-1510**	10mm	•		•		
BK **774-1511**	11mm	•		•		
BK **774-1512**	12mm	•		•		
12 PT. STANDARD						
BK **774-1416**	1/2"	•	•			
BK **774-1418**	9/16"	•	•			
BK **774-1420**	5/8"	•	•			
BK **774-1422**	11/16"	•	•			
BK **774-1424**	3/4"	•	•			
BK **774-1426**	13/16"	•	•			
BK **774-1428**	7/8"	•				
BK **774-1513**	13mm	•		•		
BK **774-1514**	14mm	•		•		
BK **774-1515**	15mm	•		•		
BK **774-1516**	16mm	•		•		
BK **774-1517**	17mm	•		•		
BK **774-1518**	18mm	•		•		
BK **774-1519**	19mm	•		•		
BK **774-1521**	21mm					
6 PT. DEEP						
BK **774-5308**	1/4"					
BK **774-5310**	5/16"					
BK **774-5312**	3/8"	•				•
BK **774-5314**	7/16"	•				•
BK **774-5316**	1/2"	•				•
BK **774-5318**	9/16"	•				•
BK **774-5320**	5/8"	•				•
BK **774-5322**	11/16"	•				•
BK **774-5324**	3/4"	•				•
BK **774-5326**	13/16"	•				•
BK **774-5328**	7/8"					
BK **774-5330**	15/16"					
BK **774-5332**	1"					
BK **774-5406**	6mm					
BK **774-5407**	7mm					
BK **774-5408**	8mm					
BK **774-5409**	9mm					
BK **774-5410**	10mm	•			•	
BK **774-5411**	11mm	•			•	
BK **774-5412**	12mm	•			•	
BK **774-5413**	13mm	•			•	
BK **774-5414**	14mm	•			•	
BK **774-5415**	15mm	•			•	
BK **774-5416**	16mm	•			•	
BK **774-5417**	17mm	•			•	
BK **774-5418**	18mm	•			•	
BK **774-5419**	19mm	•			•	
BK **774-5421**	21mm					
BK **774-5422**	22mm					
BK **774-1480**	8" Standard Ratchet		•	•		
BK **774-1475**	3" Extension	•	•			
BK **774-1478**	5/8" Spark Plug Socket	•				
BK **774-1476**	6" Extension	•				
BK **774-1481**	8" Deluxe Ratchet	•				
BK **774-1477**	13/16" Spark Plug Socket	•				
BK **774-1431**	Univ. Joint Adapter	•				

3/8 In. & 1/2 In. Dr. Sockets & Sets

3/8 IN. DR. 6 PT. FLEX SOCKETS & SETS

EVERCRAFT

Item No.	Socket Size	*BK* 774-0122 17 Pc. Set w/Tray	*BK* 774-0121 10 Pc. Set w/Tray	*BK* 774-0120 7 Pc. Set w/Case
BK **774-5712**	3/8"	•		•
BK **774-5714**	7/16"	•		•
BK **774-5716**	1/2"	•		•
BK **774-5718**	9/16"	•		•
BK **774-5720**	5/8"	•		•
BK **774-5722**	11/16"	•		•
BK **774-5724**	3/4"	•		•
BK **774-5810**	10mm	•	•	
BK **774-5811**	11mm	•	•	
BK **774-5812**	12mm	•	•	
BK **774-5813**	13mm	•	•	
BK **774-5814**	14mm	•	•	
BK **774-5815**	15mm	•	•	
BK **774-5816**	16mm	•	•	
BK **774-5817**	17mm	•	•	
BK **774-5818**	18mm	•	•	
BK **774-5819**	19mm	•	•	

BK **774-0122**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE® ADVANTAGE

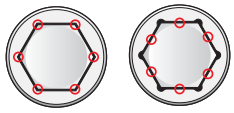
CARLYLE TOOLS by NAPA

Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

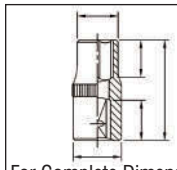
www.carlyletools.com/products/sockets

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on fasteners with rounded corners.



Other Carlyle®



For Complete Dimensional Specifications go to www.carlyletools.com

EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.

SAE Metric

SAE *CHT* **SS12006**

SAE *CHT* **SS12020**

1/2 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS12020 20 Pc. Set w/Case	*CHT* SS12013 13 Pc. Set w/Rail	*CHT* SS12006 6 Pc. Set w/Rail
CHT **S12012**	3/8"		•	
CHT **S12014**	7/16"	•	•	
CHT **S12016**	1/2"	•	•	
CHT **S12018**	9/16"	•	•	
CHT **S12020**	5/8"	•	•	
CHT **S12022**	11/16"	•	•	
CHT **S12024**	3/4"	•	•	
CHT **S12026**	13/16"	•	•	
CHT **S12028**	7/8"	•	•	
CHT **S12030**	15/16"	•	•	
CHT **S12032**	1"	•	•	
CHT **S12034**	1 1/16"	•	•	
CHT **S12036**	1 1/8"	•	•	
CHT **S12038**	1 3/16"	•		•
CHT **S12040**	1 1/4"	•		•
CHT **S12042**	1 5/16"			•
CHT **S12044**	1 3/8"			•
CHT **S12046**	1 7/16"			•
CHT **S12048**	1 1/2"			•
CHT **R12TD**	Teardrop Ratchet	•		
CHT **EXT1203**	3" Extension	•		
CHT **EXT1206**	6" Extension	•		
CHT **EXT1210**	10" Extension	•		
CHT **UNIV12**	Universal Joint	•		
CHT **FH1215**	15" Breaker Bar	•		

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MET *CHT* **SS12010M**

MET *CHT* **SS12021M**

1/2 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* **SS12021M** 21 Pc. Set w/Case	*CHT* **SS12015M** 15 Pc. Set w/Rail	*CHT* **SS12010M** 10 Pc. Set w/Rail	*CHT* **SS12008M** 8 Pc. Set w/Rail
CHT **S12010M**	10mm	•	•	•	
CHT **S12011M**	11mm	•	•	•	
CHT **S12012M**	12mm	•	•	•	
CHT **S12013M**	13mm	•	•	•	
CHT **S12014M**	14mm	•	•	•	
CHT **S12015M**	15mm	•	•	•	
CHT **S12016M**	16mm	•	•	•	
CHT **S12017M**	17mm	•	•	•	
CHT **S12018M**	18mm	•	•	•	
CHT **S12019M**	19mm	•	•	•	
CHT **S12020M**	20mm	•	•		
CHT **S12021M**	21mm	•	•		
CHT **S12022M**	22mm	•	•		
CHT **S12023M**	23mm	•	•		
CHT **S12024M**	24mm	•	•		
CHT **S12025M**	25mm				•
CHT **S12026M**	26mm				•
CHT **S12027M**	27mm				•
CHT **S12028M**	28mm				•
CHT **S12029M**	29mm				•
CHT **S12030M**	30mm				•
CHT **S12031M**	31mm				•
CHT **S12032M**	32mm				•
CHT **R12TD**	Teardrop Ratchet	•			
CHT **EXT1203**	3" Ext.	•			
CHT **EXT1206**	6" Ext.	•			
CHT **EXT1210**	10" Ext.	•			
CHT **UNIV12**	Universal Joint	•			
CHT **FH1215**	15" Breaker Bar	•			

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. DR. 8 PT. STANDARD SOCKETS

Item No.	Socket Size
CHT **S12212**	3/8"
CHT **S12214**	7/16"
CHT **S12216**	1/2"
CHT **S12218**	9/16"
CHT **S12220**	5/8"
CHT **S12222**	11/16"

Item No.	Socket Size
CHT **S12224**	3/4"
CHT **S12226**	13/16"
CHT **S12228**	7/8"
CHT **S12230**	15/16"
CHT **S12232**	1"

SAE *CHT* **S12230**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/2 In. Dr. Sockets & Sets

CARLYLE TOOLS by NAPA

SAE *CHT* **SS12113**

MET *CHT* **SS12110M**

1/2 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* **SS12120** 20 Pc. Set w/Case	*CHT* **SS12121M** 21 Pc. Set w/Case	*CHT* **SS12119M** 19 Pc. Set w/Rail	*CHT* **SS12113** 13 Pc. Set w/Rail	*CHT* **SS12110M** 10 Pc. Set w/Rail	*CHT* **SS12106** 6 Pc. Set w/Rail	*CHT* **SS12106M** 6 Pc. Set w/Rail
CHT **S12112**	3/8"				•			
CHT **S12114**	7/16"	•			•			
CHT **S12116**	1/2"	•			•			
CHT **S12118**	9/16"	•			•			
CHT **S12120**	5/8"	•			•			
CHT **S12122**	11/16"	•			•			
CHT **S12124**	3/4"	•			•			
CHT **S12126**	13/16"	•			•			
CHT **S12128**	7/8"	•			•			
CHT **S12130**	15/16"	•			•			
CHT **S12132**	1"	•			•			
CHT **S12134**	1 1/16"	•			•			
CHT **S12136**	1 1/8"	•			•			
CHT **S12138**	1 3/16"	•					•	
CHT **S12140**	1 1/4"	•					•	
CHT **S12142**	1 5/16"						•	
CHT **S12144**	1 3/8"						•	
CHT **S12146**	1 7/16"						•	
CHT **S12148**	1 1/2"						•	
CHT **S12109M**	9mm							
CHT **S12110M**	10mm		•	•		•		
CHT **S12111M**	11mm		•	•		•		
CHT **S12112M**	12mm		•	•		•		
CHT **S12113M**	13mm		•	•		•		
CHT **S12114M**	14mm		•	•		•		
CHT **S12115M**	15mm		•	•		•		
CHT **S12116M**	16mm		•	•		•		
CHT **S12117M**	17mm		•	•		•		
CHT **S12118M**	18mm		•	•		•		
CHT **S12119M**	19mm		•	•		•		
CHT **S12120M**	20mm		•	•				
CHT **S12121M**	21mm		•	•				
CHT **S12122M**	22mm		•	•				
CHT **S12123M**	23mm		•	•				
CHT **S12124M**	24mm		•	•				
CHT **S12125M**	25mm			•				
CHT **S12126M**	26mm			•				
CHT **S12127M**	27mm			•				
CHT **S12128M**	28mm			•				
CHT **S12129M**	29mm							•
CHT **S12130M**	30mm							•
CHT **S12131M**	31mm							•
CHT **S12132M**	32mm							•
CHT **S12134M**	34mm							•
CHT **S12136M**	36mm							•
CHT **R12TD**	Teardrop Ratchet	•	•					
CHT **EXT1203**	3" Ext.	•	•					
CHT **EXT1206**	6" Ext.	•	•					
CHT **EXT1210**	10" Ext.	•	•					
CHT **UNIV12**	Universal Joint	•	•					
CHT **FH1215**	15" Breaker Bar	•	•					

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

SAE *CHT* **SSD12013**

MET *CHT* **SSD12015M**

1/2 IN. DR. 6 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD12015M 15 Pc. Set w/Rail	*CHT* SSD12013 13 Pc. Set w/Rail	*CHT* SSD12010M 10 Pc. Set w/Rail	*CHT* SSD12008M 8 Pc. Set w/Rail	*CHT* SSD12006 6 Pc. Set w/Rail
CHT **SD12012**	3/8"		•			
CHT **SD12014**	7/16"		•			
CHT **SD12016**	1/2"		•			
CHT **SD12018**	9/16"		•			
CHT **SD12020**	5/8"		•			
CHT **SD12022**	11/16"		•			
CHT **SD12024**	3/4"		•			
CHT **SD12026**	13/16"		•			
CHT **SD12028**	7/8"		•			
CHT **SD12030**	15/16"		•			
CHT **SD12032**	1"		•			
CHT **SD12034**	1 1/16"		•			
CHT **SD12036**	1 1/8"		•			
CHT **SD12038**	1 3/16"					•
CHT **SD12040**	1 1/4"					•
CHT **SD12042**	1 5/16"					•
CHT **SD12044**	1 3/8"					•
CHT **SD12046**	1 7/16"					•
CHT **SD12048**	1 1/2"					•
CHT **SD12010M**	10mm	•		•		
CHT **SD12011M**	11mm	•		•		
CHT **SD12012M**	12mm	•		•		
CHT **SD12013M**	13mm	•		•		
CHT **SD12014M**	14mm	•		•		
CHT **SD12015M**	15mm	•		•		
CHT **SD12016M**	16mm	•		•		
CHT **SD12017M**	17mm	•		•		
CHT **SD12018M**	18mm	•		•		
CHT **SD12019M**	19mm	•		•		
CHT **SD12020M**	20mm	•				
CHT **SD12021M**	21mm	•				
CHT **SD12022M**	22mm	•				
CHT **SD12023M**	23mm	•				
CHT **SD12024M**	24mm	•				
CHT **SD12025M**	25mm				•	
CHT **SD12026M**	26mm				•	
CHT **SD12027M**	27mm				•	
CHT **SD12028M**	28mm				•	
CHT **SD12029M**	29mm				•	
CHT **SD12030M**	30mm				•	
CHT **SD12031M**	31mm				•	
CHT **SD12032M**	32mm				•	

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WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/2 In. Dr. Sockets & Sets

CARLYLE TOOLS by NAPA

SAE *CHT* **SSD12113**

MET *CHT* **SSD12115M**

1/2 IN. DR. 12 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD12115M 15 Pc. Set w/Rail	*CHT* SSD12113 13 Pc. Set w/Rail	*CHT* SSD12110M 10 Pc. Set w/Rail	*CHT* SSD12108M 8 Pc. Set w/Rail	*CHT* SSD12106 6 Pc. Set w/Rail
CHT **SD12112**	3/8"		•			
CHT **SD12114**	7/16"		•			
CHT **SD12116**	1/2"		•			
CHT **SD12118**	9/16"		•			
CHT **SD12120**	5/8"		•			
CHT **SD12122**	11/16"		•			
CHT **SD12124**	3/4"		•			
CHT **SD12126**	13/16"		•			
CHT **SD12128**	7/8"		•			
CHT **SD12130**	15/16"		•			
CHT **SD12132**	1"		•			
CHT **SD12134**	1 1/16"		•			
CHT **SD12136**	1 1/8"		•			
CHT **SD12138**	1 3/16"					•
CHT **SD12140**	1 1/4"					•
CHT **SD12142**	1 5/16"					•
CHT **SD12144**	1 3/8"					•
CHT **SD12146**	1 7/16"					•
CHT **SD12148**	1 1/2"					•
CHT **SD12110M**	10mm	•		•		
CHT **SD12111M**	11mm	•		•		
CHT **SD12112M**	12mm	•		•		
CHT **SD12113M**	13mm	•		•		
CHT **SD12114M**	14mm	•		•		
CHT **SD12115M**	15mm	•		•		
CHT **SD12116M**	16mm	•		•		
CHT **SD12117M**	17mm	•		•		
CHT **SD12118M**	18mm	•		•		
CHT **SD12119M**	19mm	•		•		
CHT **SD12120M**	20mm	•				
CHT **SD12121M**	21mm	•				
CHT **SD12122M**	22mm	•				
CHT **SD12123M**	23mm	•				
CHT **SD12124M**	24mm	•				
CHT **SD12125M**	25mm				•	
CHT **SD12126M**	26mm				•	
CHT **SD12127M**	27mm				•	
CHT **SD12128M**	28mm				•	
CHT **SD12129M**	29mm				•	
CHT **SD12130M**	30mm				•	
CHT **SD12131M**	31mm				•	
CHT **SD12132M**	32mm				•	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

⚠ ***WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.***

GEARWRENCH

49 PC. SOCKET SET - 1/2 IN. DR.

- Full polish chrome sockets with large hard stamp size markings
- 87 tooth full polish chrome thin profile ratchet

APX **80700D**

Contents

Description	Size
6-Point SAE Standard Sockets	7/16" - 1 1/8"
6 Point SAE Deep Sockets	1/2" - 15/16"
6-Point Metric Standard Sockets	10 - 24mm
6 Point Metric Deep Sockets	10 - 19mm

84 Tooth Ratchet, 3" and 5" Extension, Universal Joint

CRAFTSMAN

23 PC. 1/2 IN. DR. SAE/METRIC DEEP IMPACT SOCKET SET

- Corrosion Resistant: Black Oxide Finish
- Increased Torque: 6 Point Socket with fastener
- Quick Size Identification: Large Markings
- Meets or Exceeds ASME Specifications

Includes: 3/8" - 1", 12mm - 24mm and Case

CTM **CMMT16970**

CRAFTSMAN

CTM **CMMT12046**

11 PC. 1/2 IN. DR. SAE & METRIC 12 PT. SOCKET SETS

The 11 pc. 1/2" Drive 12 Point SAE/Metric Socket Set comes equipped with a broad assortment of sockets.

Item No.	Description
CTM **CMMT12046**	Shallow - 3/8" - 1"
CTM **CMMT12047**	Shallow - 10 - 21mm
CTM **CMMT12048**	Deep - 3/8" - 1"
CTM **CMMT12049**	Deep - 10 - 21mm

EVERCRAFT

30 PC. 1/2 IN. DR. 6 PT. SOCKET SET

This Evercraft™ socket set makes a perfect addition to any tool collection.

- Quick-release ratchet
- Chrome vanadium steel for strength and durability
- Metric & SAE
- Case included

BK **774-0229**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/2 In. Dr. Sockets & Sets

EVERCRAFT™

1/2 IN. DR. 6 PT., 12 PT. SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra - smooth, high polish finish for added life
- Meets and exceeds ANSI for strength and performance
- Full lifetime warranty

BK **774-0112**

BK **774-1620** | *BK* **774-1924**

BK **774-5522** | *BK* **774-5621**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Item No.	Socket Size	*BK* 774-0112 40 Pc. Set w/Case	*BK* 774-0105 16 Pc. Set w/Case	*BK* 774-0114 9 Pc. Set w/Case	*BK* 774-0115 7 Pc. Set w/Case
6 PT. STANDARD					
BK **774-1612**	3/8"				
BK **774-1614**	7/16"	•	•		
BK **774-1616**	1/2"	•	•		
BK **774-1618**	9/16"	•	•		
BK **774-1620**	5/8"	•	•		
BK **774-5510**	10mm	•			
BK **774-5511**	11mm	•			
BK **774-5512**	12mm	•			
BK **774-5513**	13mm	•			
BK **774-5514**	14mm	•			
BK **774-5515**	15mm	•			
BK **774-5516**	16mm				
12 PT. STANDARD					
BK **774-1622**	11/16"	•	•		
BK **774-1624**	3/4"	•	•		
BK **774-1626**	13/16"	•	•		
BK **774-1628**	7/8"	•	•		
BK **774-1630**	15/16"	•	•		
BK **774-1632**	1"	•	•		
BK **774-1634**	1 1/16"	•	•		
BK **774-1636**	1 1/8"		•		
BK **774-1638**	1 3/16"				
BK **774-1640**	1 1/4"		•		
BK **774-1648**	1 1/2"				
BK **774-5517**	17mm	•			
BK **774-5518**	18mm				
BK **774-5519**	19mm	•			
BK **774-5520**	20mm				
BK **774-5521**	21mm	•			
BK **774-5522**	22mm	•			
BK **774-5523**	23mm				
BK **774-5524**	24mm				
BK **774-5525**	25mm				
BK **774-5526**	26mm				
BK **774-5527**	27mm				
BK **774-5528**	28mm				
BK **774-5529**	29mm				
BK **774-5530**	30mm				
BK **774-5531**	31mm				
BK **774-5532**	32mm				
BK **774-5533**	33mm				
BK **774-5534**	34mm				
BK **774-5535**	35mm				
BK **774-5536**	36mm				
6 PT. DEEP					
—	7/16"	•			
BK **774-1916**	1/2"	•			•
BK **774-1918**	9/16"	•			•
BK **774-1920**	5/8"	•			•
BK **774-1922**	11/16"	•			•
BK **774-1924**	3/4"	•			•
BK **774-1926**	13/16"				•
BK **774-1928**	7/8"				•
BK **774-1930**	15/16"				
BK **774-1932**	1"				
BK **774-1934**	1 1/16"				
BK **774-1936**	1 1/8"				
BK **774-1940**	1 1/4"				
BK **774-5610**	10mm	•		•	
BK **774-5611**	11mm				
BK **774-5612**	12mm	•		•	
BK **774-5613**	13mm	•		•	
BK **774-5614**	14mm	•		•	
BK **774-5615**	15mm	•		•	
BK **774-5616**	16mm				
BK **774-5617**	17mm	•		•	
BK **774-5618**	18mm				
BK **774-5619**	19mm	•		•	
BK **774-5621**	21mm			•	
BK **774-5622**	22mm			•	
BK **774-5623**	23mm				
BK **774-5624**	24mm				
BK **774-5627**	27mm				
BK **774-1677**	Spark Plug 5/8"	•			
BK **774-1679**	Spark Plug 13/16"	•			
BK **774-1470**	T-Bar Adapter	•			
BK **774-1675**	5" Extension	•	•		
BK **774-1670**	10" Extension	•			
BK **774-1676**	10" Standard Ratchet		•		
BK **774-1678**	17" Flex Handle		•		
BK **774-1680**	10" Ratchet, Deluxe	•			

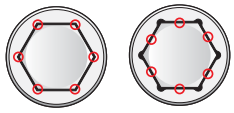
CARLYLE TOOLS by NAPA

CARLYLE® ADVANTAGE

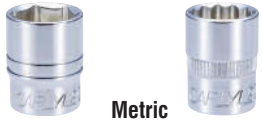
Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on fasteners with rounded corners.



Other Carlyle®



SAE Metric

EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.

For Complete Dimensional Specifications go to www.carlyletools.com

www.carlyletools.com/products/sockets

SAE *CHT* **SS3423**

3/4 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* **SS3423** 23 Pc. Set w/Case	*CHT* **SS3413** 13 Pc. Set w/Case	*CHT* **SS3411** 11 Pc. Set w/Case
CHT **S34024**	3/4"			
CHT **S34026**	13/16"			
CHT **S34028**	7/8"			
CHT **S34030**	15/16"	•	•	•
CHT **S34032**	1"	•	•	
CHT **S34034**	1 1/16"	•	•	•
CHT **S34036**	1 1/8"	•	•	•
CHT **S34038**	1 3/16"	•		
CHT **S34040**	1 1/4"	•	•	•
CHT **S34042**	1 5/16"	•		•
CHT **S34044**	1 3/8"	•	•	•
CHT **S34046**	1 7/16"	•	•	•
CHT **S34048**	1 1/2"	•	•	•
CHT **S34050**	1 9/16"	•		
CHT **S34052**	1 5/8"	•	•	•
CHT **S34054**	1 11/16"	•		
CHT **S34056**	1 3/4"	•		
CHT **S34058**	1 13/16"	•		
CHT **S34060**	1 7/8"	•		
CHT **S34064**	2"	•		
CHT **S34066**	2 1/16"			
CHT **S34068**	2 1/8"			
CHT **S34070**	2 3/16"			
CHT **S34072**	2 1/4"			
CHT **S34074**	2 5/16"			
CHT **S34076**	2 3/8"			
CHT **S34078**	2 7/16"			
CHT **S34080**	2 1/2"			
CHT **STH34**	Sliding T-Handle	•		•
CHT **EXT3405**	5" Extension	•		
CHT **EXT3408**	8" Extension	•	•	•
CHT **EXT3416**	16" Extension	•	•	
CHT **FH3419**	Breaker Bar	•	•	
CHT **R34**	QR Ratchet	•	•	

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WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

3/4 In. Dr. Socket and Drive Tools

EVERCRAFT

3/4 IN DR. SAE SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Meets and exceeds ANSI for strength and performance
- Full lifetime guarantee on all components
- Plastic case

BK **774-0119**

Item No.	Socket Size	*BK* 774-0119 21 Pc. Se	*BK* 774-0118 14 Pc. Set
BK **774-1828**	7/8"	•	•
BK **774-1830**	15/16"	•	•
BK **774-1832**	1"	•	•
BK **774-1834**	1 1/16"	•	
BK **774-1836**	1 1/8"	•	•
BK **774-1838**	1 3/16"	•	
BK **774-1840**	1 1/4"	•	•
BK **774-1842**	1 5/16"	•	
BK **774-1844**	1 3/8"	•	
BK **774-1846**	1 7/16"	•	•
BK **774-1848**	1 1/2"	•	•
BK **774-1850**	1 9/16"		
BK **774-1852**	1 5/8"	•	•
BK **774-1854**	1 11/16"		
BK **774-1856**	1 3/4"	•	•
BK **774-1858**	1 13/16"	•	
BK **774-1860**	1 7/8"	•	
BK **774-1864**	2"	•	•
BK **774-1866**	2 1/16"		
BK **774-1868**	2 1/8"		
BK **774-1870**	2 3/16"		
BK **774-1872**	2 1/4"		
BK **774-1873**	2 3/8"		
BK **774-1879**	18" Sliding T-Bar	•	
BK **774-1876**	4" Extension	•	•
BK **774-1877**	8" Extension	•	
BK **774-1878**	16" Extension		•
BK **774-1875**	20" Long- Handle Ratchet	•	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CRAFTSMAN

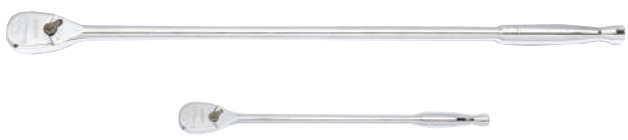
16 PC. 3/4 IN. DR. MECHANICS TOOL SET

The 16 pc. 3/4" Drive Set comes equipped with a 72 Tooth ratchet and a broad assortment of sockets.

Includes: 7/8" - 1 7/8", 3/4" Ratchet and Case

CTM **CMMT12036**

GEARWRENCH

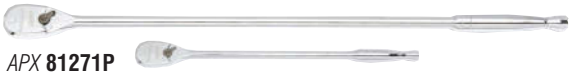


4 PC. 1/4", 3/8" DR. FULL POLISH 120XP EXTRA LONG HANDLE RATCHET SET

- Double Stacked Pawl Technology creates 120 positions with a super-fine 3° ratcheting arc
- Low profile head and flush mounted on/off switch
- Extra Long Handle (9" on 1/4" Drive, 18" on 3/8" Drive) offer professional users additional access

APX **81271**

GEARWRENCH 120XP



APX **81271P**

APX **81230P**

APX **81206P**

120 XP RATCHET SETS

Item No.	Drive Size	Description	Handle Style	Includes
APX **81230P**	1/4", 3/8", 1/2"	4 Pc 120XP Flex-Head Ratchet Set	Full Polish	*APX* **81012P**, *APX* **81212P**, *APX* **81215P**, *APX* **81306P**
APX **81206P**	1/4", 3/8", 1/2"	3 Pc 120XP Ratchet Set	Full Polish	*APX* **81011P**, *APX* **81211P**, *APX* **81304P**
APX **81271P**	1/4", 3/8"	2 Pc 120XP Extra Long Handle Ratchet Set	Full Polish	*APX* **81034P**, *APX* **81269P**

GEARWRENCH 90T

APX **81206T**

APX **81216T**

APX **81207T**

APX **81204T**

APX **81203T**

90T RATCHET SETS

Item No.	Drive Size	Description	Handle Style	Includes
APX **81206T**	1/4", 3/8", 1/2"	3 Pc 90T Ratchet Set	Full Polish	*APX* **81011T**, *APX* **81211T**, *APX* **81304T**
APX **81207T**	1/4", 3/8", 1/2"	3 Pc 90T Ratchet Set	Cushion Grip	*APX* **81007T**, *APX* **81208T**, *APX* **81303T**
APX **81216T**	1/4", 3/8"	2 Pc 90T Flex-Head Ratchet Set	Full Polish	*APX* **81012T**, *APX* **81215T**
APX **81204T**	1/4", 3/8"	2 Pc 90T Flex-Head Ratchet Set	Cushion Grip	*APX* **81009T**, *APX* **81210T**
APX **81203T**	1/4", 3/8"	3 Pc 90T Mixed Ratchet Set	Cushion Grip	*APX* **81007T**, *APX* **81208T**, *APX* **81210T**

CARLYLE TOOLS by NAPA

CARLYLE® RATCHETS

Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

www.carlyletools.com/products/ratchets

POWER 90™ SERIES

As engine compartment spaces have become more confined, the need for higher tooth count ratchets has become essential to the technician. The Carlyle Power 90™ (P90) series of ratchets features a 90-tooth count. The design provides an incredibly precise turning radius for work in tight places. If you can move the handle, you can move the fastener.

POWER 100™ SERIES

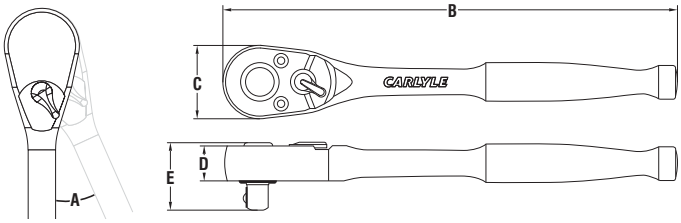
If more is better, then the Carlyle Power 100™ (P100) is right up your alley. As the name indicates, P100 ratchets provide even more precision with a 100-tooth count. All P100 ratchets feature a round swivel head with push button quick release function.

Teardrop Head

The standard Teardrop ratchet is anything but standard. Being rated at more than 130% of the ANSI/ASME standard, this tool will be your trusted friend. It features an ultra-slim head for access in confined spaces. Additional variations of the standard teardrop include stubby, quick release, flexible, and speed versions.

Round Head

Our Round Head design not only offers the convenience of a push button quick release, it incorporates a new flip lever mechanism for easy and quick one-hand adjustment of the forward and reverse mechanism.



Comfort Grip

1/4 IN. DR. RATCHETS

	Item No	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kits Item No.
	CHT **R1490**	Comfort Grip	90	4°	Teardrop	5.39"	0.87"	0.39"	0.72"	*CHT* **RK14**
	CHT **R14L90**		90	4°	Long Handle Teardrop	6.91"	0.87"	0.39"	0.72"	*CHT* **RK14**
	CHT **R14S100**		100	3.6°	Swivel Head	6.79"	1.26"	0.43"	1.26"	*CHT* **RK14S**
	CHT **RH14S100**		100	3.6	Hex Swivel Ratchet	—	—	—	—	—
	CHT **R14NLF**		72	5°	Teardrop Flex Non-Locking	8.25"	0.80"	0.37"	0.79	*CHT* **RK14FL**
	CHT **R14TD**	Polished	60	6°	Teardrop	5.14"	0.83"	0.39"	0.73"	—
	CHT **R14QR**		60	6°	Quick Release Teardrop	5.14"	0.83"	0.39"	0.77"	—
	CHT **R14R**		52	6.9°	Round Head with Quick Release	5.14"	0.98"	0.49"	1.04"	—
	CHT **R14LFS**		72	5°	Teardrop Locking Flex - Stubby	3.54"	0.82"	0.37"	0.78"	*CHT* **RK14FL**
	CHT **R14NLFS**		72	5°	Teardrop Flex Non-Locking - Stubby	3.54"	0.82"	0.37"	0.78"	*CHT* **RK14FL**

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WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/4 In. Drive Tools

GEARWRENCH 120XP

1/4 IN. 120 XP RATCHETS

The Double-Pawl design of GEARWRENCH 120XP™ Ratchets provides 120 ratcheting positions so fasteners can be turned in the tightest spaces and jobs can be completed faster. Two pawls alternately engage a 60-tooth gear, allowing a swing arc of just 3 degrees and delivering strength that exceeds ASME torque performance requirements.

Item No.	Drive Size	Head Style	Handle Style	Finish	Head Width	Head Thickness	Overall Length	Weight	Repair Kit
APX **81034**	1/4"	Tear Drop	Extra Long	Full Polish	0.98"	.039"	9"	0.77 lbs.	*APX* 81099P

GEARWRENCH 90T

1/4 IN. 90T RATCHETS

GEARWRENCH 90-Tooth Ratchets have a 4-degree swing arc and a low-profile enclosed head for easier access to hard-to-turn fasteners and extreme resistance to dirt infiltration. The ratchets are some of the strongest on the market, exceeding ASME torque performance specifications. They are available individually or in sets and are offered in a wide range of sizes and styles to suit every preference and job requirement.

APX **81007T**

APX **81011T**

APX **81012T**

APX **81015T**

Item No.	Drive Size	Head Style	Handle Style	Finish	Head Width	Head Thickness	Overall Length	Weight	Repair Kit
APX **81011T**	1/4"	Tear Drop	Standard	Full Polish	0.98"	0.35"	5.13"	0.27 lbs.	*APX* 81099T
APX **81007T**	1/4"	Tear Drop	Standard	Cushion Grip	0.98"	0.35"	6.88"	0.32 lbs.	*APX* 81099T
APX **81015T**	1/4"	Tear Drop	Locking Flex	Full Polish	0.98"	0.35"	6.97"	0.33 lbs.	*APX* 81099T
APX **81012T**	1/4"	Tear Drop	Flex	Full Polish	0.98"	0.35"	6.97"	0.33 lbs.	*APX* 81099T
APX **81009T**	1/4"	Tear Drop	Flex	Cushion Grip	0.98"	0.35"	8.26"	0.39 lbs.	*APX* 81099T

GEARWRENCH

TETHER READY RATCHETS

GEARWRENCH tether-ready ratchets have a patented two-step locking quick-release ratchet design that makes unintentional socket drops virtually impossible. The ratchet head design supports all existing GEARWRENCH full polish chrome sockets and needs no pin or awl when adding or removing a socket from the ratchet tang. The full polish chrome handle design features an integrated tether connection point – a tether through-hole with a wire rope ring – allowing the ratchet to be added to a tethering system without additional retrofitting.

Item No.	Drive	Head	Quick Release	Tooth Count	Swing Arc	Handle	Finish	Head Width	Head Thickness	Tether Point	Length	Weight	Repair Kit
APX **81211TH**	3/8"	Tear Drop	Two Step Locking Quick Release	90	4"	Standard	Full Polish	1.25"	0.71"	Tether Through Hole w/ Wire Rope Ring	8.39"	0.74 lb.	*APX* **81227TH**
APX **81304TH**	1/2"							1.72"	0.89"		11.0"	1.70 lb.	*APX* **81339TH**

CRAFTSMAN

72 TOOTH PEAR HEAD RATCHETS

CTM **CMMT81747**

72 Tooth Pear Head Ratchet is durably constructed for speed, comfort, and balance for more overall productivity.

- Corrosion Resistance: Full Polish Chrome Finish
- Minimal Arc Swing: 72-tooth Ratchets
- Quick Size Identification: Large Markings
- Meets or Exceeds ASME Specifications

Item No.	Description
CTM **CMMT81747**	1/4" Drive 72 Tooth Pear Head
CTM **CMMT81748**	3/8" Drive 72 Tooth Pear Head
CTM **CMMT81749**	1/2" Drive 72 Tooth Pear Head

CRAFTSMAN

1/4 IN., 3/8 IN. & 1/2 IN. DR. ERGO RATCHET 72T

CTM **CMMT99424**

1/4" & 3/8" & 1/2" Drive Ergonomic Ratchet is durably constructed for speed, comfort, and balance for more overall productivity. A full polish finish forged handle with an ergonomic grip allows for comfortable use when putting your weight behind a bolt.

Item No.	Description
CTM **CMMT99424**	1/4" Drive Iconic 36 Tooth Ratchet
CTM **CMMT99428**	3/8" Drive Iconic 36 Tooth Ratchet
CTM **CMMT99432**	1/2" Drive Iconic 36 Tooth Ratchet

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CRAFTSMAN

CTM **CMMT82010**

120 TOOTH PEAR HEAD RATCHETS

120 Tooth Pear Head Ratchet is durably constructed for speed, comfort, and balance for more overall productivity.

Item No.	Description
CTM **CMMT82010**	1/4" Drive 120 Tooth Pear Head
CTM **CMMT82011**	3/8" Drive 120 Tooth Pear Head
CTM **CMMT82012**	1/2" Drive 120 Tooth Pear Head

EVERCRAFT

BK **774-1276**

BK **774-1275**

1/4 IN. DRIVE RATCHETS

CR-V steel, high polish chrome. Lifetime warranty. Length: 5".

BK **774-1276** Deluxe
BK **774-1275** Standard

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

1/4 IN. DR. THUMBWHEEL RATCHET

BK **774-1488**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SPINNING T-HANDLES

Adjustable anodized sleeve with ball bearings to allow free spinning for constant pressure while turning the T-handle. Faster than ordinary speed wrenches—finishes jobs in a fraction of the time. Adjustable handle locks in position. Made of CR-V steel, high polish chrome.

Item No.	Description	*CHT* SDSTH2 2 Pc. Set
CHT **SDTH14**	1/4" Dr. Spinning T-Handle	•
CHT **SDTH38**	3/8" Dr. Spinning T-Handle	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE FLEXIBLE DRIVER HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FHD14**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE SPINNER HANDLE

Screwdriver handle has a female 1/4" drive shank for use with extensions. Length: 6", Weight: 3 oz.

CHT **DH14**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH14**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE SPEED HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SH14**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

1/4 IN. DRIVE SOCKET SCREWDRIVER HANDLE

CR-V steel, high polish chrome alloy steel. Lifetime warranty.

BK **774-1277**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/4 In. Drive Tools

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT1402**	2"
CHT **EXT1403**	3"
CHT **EXT1406**	6"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE LOCKING EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXTL1410** 10"
CHT **EXTL1414** 14"

CRAFTSMAN

CTM **CMMT42335**

1/4 IN., 3/8 IN. AND 1/2 IN. DR. ACCESSORY SETS

Item No.	Size
CTM **CMMT42352**	4 Pc. 1/4" Dr.
CTM **CMMT42335**	5 Pc. 3/8" Dr.
CTM **CMMT42353**	4 Pc. 1/2" Dr.

CRAFTSMAN

CTM **CMMT43282**

EXTENSION BAR SETS

- Corrosion Resistance: Full Polish Chrome Finish
- Quick Size Identification: Large Markings
- Meets or Exceeds ASME Specifications

Item No.	Size
CTM **CMMT43282**	4 Pc. 3/8" Dr.
CTM **CMMT43283**	3 Pc. 1/2" Dr.
CTM **CMMT34533**	3 Pc. 1/4", 3/8" - 1/2" Dr. Ext Bars - 6" L.

EVERCRAFT

1/4 IN. DRIVE WOBBLE EXTENSION BARS & SET

Unique design. Extension bars are off-center from socket at drive end, allowing the tightening of the fastener in confined spaces. Chrome-plated, vanadium alloy steel. Lifetime-warranty.

Item No.	Description	*BK* **774-1252 2 Pc. Set**
BK **774-1253**	3"	•
BK **774-1256**	6"	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

1/4 IN. DRIVE EXTENSIONS

CR-V steel, high polish chrome. Lifetime warranty.

Item No.	Description
BK **774-1278**	3"
BK **774-1279**	6"

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **UNIV14**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

1/4 IN. DRIVE UNIVERSAL JOINT

CR-V steel, high polish chrome. Lifetime warranty.

BK **774-1230**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. DRIVE ADAPTER

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty. Size: 1/4" F x 3/8" M.

CHT **ADP1438**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

1/4 IN. DRIVE ADAPTER

CR-V steel, high polish chrome finish standard adapter. Size: 1/4" F X 3/8" M.

BK **774-1379**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. DR. COUPLER ADAPTER

- Features mirror polished chrome-plated finish for rust resistance
- Allows adapting bits
- 1 in. length

CHT **ADP14S14H**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE TOOLS by NAPA

CARLYLE® RATCHETS

Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

www.carlyletools.com/products/ratchets

POWER 90 SERIES

As engine compartment spaces have become more confined, the need for higher tooth count ratchets has become essential to the technician. The Carlyle Power 90™ (P90) series of ratchets features a 90-tooth count. The design provides an incredibly precise turning radius for work in tight places. If you can move the handle, you can move the fastener.

POWER 100 SERIES

If more is better, then the Carlyle Power 100™ (P100) is right up your alley. As the name indicates, P100 ratchets provide even more precision with a 100-tooth count. All P100 ratchets feature a round swivel head with push button quick release function.

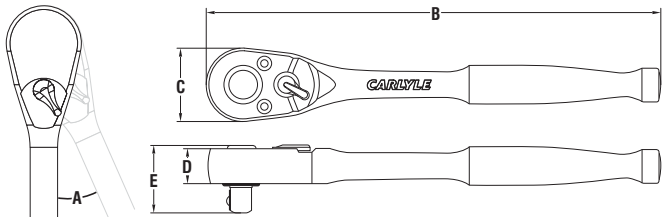
Teardrop Head

The standard Teardrop ratchet is anything but standard. Being rated at more than 130% of the ANSI/ASME standard, this tool will be your trusted friend. It features an ultra-slim head for access in confined spaces. Additional variations of the standard teardrop include stubby, quick release, flexible, and speed versions.

Round Head

Our Round Head design not only offers the convenience of a push button quick release, it incorporates a new flip lever mechanism for easy and quick one-hand adjustment of the forward and reverse mechanism.

Comfort Grip



3/8 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kits Item No.
	CHT **R3890**	Comfort Grip	90	4°	Teardrop	9.56"	1.18"	0.51"	0.96"	*CHT* **RK38**
	CHT **R38L90**		90	4°	Long Handle	12.44"	1.18"	0.51"	0.96"	*CHT* **RK38**
	CHT **R38S100**		100	3.6°	Swivel	11.78"	1.69"	0.52"	1.31"	*CHT* **RK38S**
	CHT **R38LFQR**		72	5°	Teardrop Flex Locking	9.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38LFLQR**		72	5°	Teardrop Long Flex Locking	13.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38FHBH**		72	5°	Bent Handle	13.62				
	CHT **R38NLFL**		72	5°	Teardrop Flex Non-Locking - Long	13.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38NLF**		72	5°	Teardrop Flex Non-Locking	9.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38R**	Polished	52	6.9°	Round Head with Quick Release	8.35"	1.30"	0.65"	1.38"	—
	CHT **R38S**		60	6°	Stubby Teardrop	4.92"	1.14"	0.51"	0.98"	—
	CHT **R38TD**		60	6°	Teardrop	8.35"	1.14"	0.51"	0.98"	—
	CHT **R38QR**		60	6°	Quick Release Teardrop	8.35"	1.14"	0.51"	1.02"	—
	CHT **R38F**		60	6°	Flexible Teardrop	11.69"	1.14"	0.51"	0.98"	—
	CHT **R38SP**		48	7.5°	Speed	9.57"	1.18"	0.57"	1.12"	—
	CHT **R38LFS**		72	5°	Teardrop Flex Locking - Stubby	4.33"	1.10"	0.52"	1.10"	*CHT* **RK38FL**
	CHT **R38NLFS**		72	5°	Teardrop Flex Non-Locking - Stubby	4.33"	1.10"	0.52"	1.10"	*CHT* **RK38FL**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.
⚠ WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

3/8 In. Drive Tools

GEARWRENCH 90T

3/8 IN. 90T RATCHETS

GEARWRENCH 90-Tooth Ratchets have a 4-degree swing arc and a low-profile enclosed head for easier access to hard-to-turn fasteners and extreme resistance to dirt infiltration. The ratchets are some of the strongest on the market, exceeding ASME torque performance specifications. They are available individually or in sets and are offered in a wide range of sizes and styles to suit every preference and job requirement.

APX **81211T**

APX **81210T**

APX **81208T**

APX **81266T**

Item No.	Drive Size	Head Style	Handle Style	Finish	Head Width	Head Thickness	Overall Length	Weight	Repair Kit
APX **81211T**	3/8"	Tear Drop	Standard	Full Polish	1.25"	0.47"	8.39"	0.70 lbs.	*APX* 81227T
APX **81220T**	3/8"	Compact	Standard	Full Polish	1.00"	0.43"	8.40"	0.51 lbs.	*APX* 81227T
APX **81208T**	3/8"	Tear Drop	Standard	Cushion Grip	1.25"	0.47"	9.40"	0.64 lbs.	*APX* 81227T
APX **81266T**	3/8"	Tear Drop	Locking Flex	Full Polish	1.25"	0.47"	11.47"	0.93 lbs.	*APX* 81227T
APX **81215T**	3/8"	Tear Drop	Flex	Full Polish	1.25"	0.47"	11.40"	0.85 lbs.	*APX* 81227T
APX **81212T**	3/8"	Tear Drop	Stubby Flex	Full Polish	1.25"	0.47"	5.00"	0.52 lbs.	*APX* 81227T
APX **81210T**	3/8"	Tear Drop	Flex	Cushion Grip	1.25"	0.47"	13.38"	0.85 lbs.	*APX* 81227T

EVERCRAFT

3/8 IN. DR. DELUXE RATCHET

CR-V steel, high polish chrome with quick-socket release. Lifetime warranty. Length: 8".

BK **774-1481**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. STANDARD RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 8".

BK **774-1480**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. FLEX-HEAD RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 10¾".

BK **774-1482**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. FLEX-HEAD STUBBY RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 5½".

BK **774-1487**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. STANDARD STUBBY '

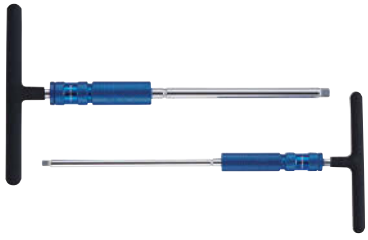
CR-V steel, high polish chrome. Lifetime warranty. Length: 4½".

BK **774-1484**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SPINNING T-HANDLES



Adjustable anodized sleeve with ball bearings to allow free spinning for constant pressure while turning the T-handle. Faster than ordinary speed wrenches—finishes jobs in a fraction of the time. Adjustable handle locks in position. Made of CR-V steel, high polish chrome.

Item No.	Description	*CHT* SDSTH2 2 Pc. Set
CHT **SDTH14**	¼" Dr. Spinning T-Handle	•
CHT **SDTH38**	3/8" Dr. Spinning T-Handle	•

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. INDEXING BREAKER BAR WITH COMFORT GRIP

CHT **IBB3875**

Comfort grip handle for less user fatigue. Full chrome polish for corrosion resistance. CR-V material for strength and durability. 180° Flex design for improved leverage.

Item No.	Description
CHT **IBB3875**	7½"
CHT **IBB3815**	15¼"
CHT **IBB3811**	11¼"

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH38**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3/8 IN. DR. SPEED HANDLE
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SH38**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. 16 IN. SPEED HANDLE
CR-V steel, high polish chrome. Designed for quick running down of nuts and bolts. Excellent for use in hard-to-reach areas. Lifetime warranty.

BK **774-1485**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CHT **EXT3806**

CHT **EXT3802**

3/8 IN. DR. EXTENSIONS
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT3802**	1½"
CHT **EXT3803**	3"
CHT **EXT3806**	6"
CHT **EXT3810**	10"
CHT **EXT3820**	20"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. LOCKING EXTENSIONS
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXTL3812**	12"
CHT **EXTL3820**	20"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. LOCKING EXTENSION
- Knurled grip provides non-slip surface
- Full polish chrome finish

Item No.	Description
APX **81273**	3/8" Dr., Locking Extension 14"
APX **81279**	3/8" Dr., Locking Extension 18"
APX **81281**	3/8" Dr., Locking Extension 24"

CHT **EXTW3806**

CHT **EXTW3802**

3/8 IN. DR. WOBBLE EXTENSIONS
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXTW3802**	1½"
CHT **EXTW3803**	3"
CHT **EXTW3806**	6"
CHT **EXTW3812**	12"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BK **774-1476**

BK **774-1486**

3/8 IN. DR. EXTENSIONS
CR-V steel, high polish chrome. Lifetime warranty.

Item No.	Description
BK **774-1486**	1¾"
BK **774-1475**	3"
BK **774-1476**	6"
BK **774-1490**	10"
BK **774-1498**	18"

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

3/8 IN. DR. WOBBLE EXTENSIONS & SET
Unique design. Extension bars are off-center from socket at drive end, allowing the tightening of the fastener in confined spaces. Chrome-plated, vanadium alloy steel. Lifetime-warranty.

Item No.	Description	*BK* **774-1462 2 Pc. Set**
BK **774-1460**	3" L.	•
BK **774-1461**	6" L.	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

3/8 IN. DR. UNIVERSAL JOINT
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty..

CHT **UNIV38**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. UNIVERSAL JOINT
CR-V steel, high polish chrome. Lifetime warranty.

BK **774-1431**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

3/8 IN. DR. DRAG-LINK SOCKET
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SDL3822**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

3/8 In.& 1/2 In. Drive Tools

CARLYLE TOOLS by NAPA

3/8 IN. DR. SOCKET ACCESSORIES

Features mirror polish chrome plated finish for rust resistance and lifetime warranty.

CHT **ADP3814** Reducer, 3/8" M to 1/4" F
CHT **ADP3812** Adapter, 3/8" F to 1/2" M

CHT **ADP3814**

CHT **ADP3812**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. SOCKET ACCESSORIES

CR-V steel, high polish chrome. Chrome-plated. Lifetime warranty.

BK **774-1479** 3/8" F x 1/4" M Reducer
BK **774-1467** 3/8" F x 1/2" M Adapter

BK **774-1479**

BK **774-1467**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CARLYLE® RATCHETS

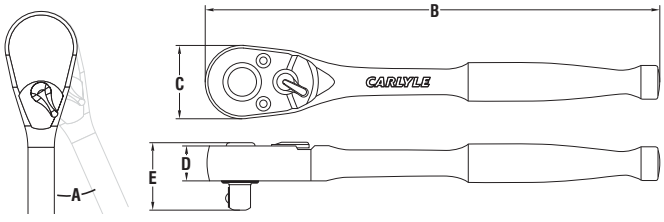
Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

POWER 90™ SERIES

As engine compartment spaces have become more confined, the need for higher tooth count ratchets has become essential to the technician. The Carlyle Power 90™ (P90) series of ratchets features a 90-tooth count. The design provides an incredibly precise turning radius for work in tight places. If you can move the handle, you can move the fastener.

POWER 100™ SERIES

If more is better, then the Carlyle Power 100™ (P100) is right up your alley. As the name indicates, P100 ratchets provide even more precision with a 100-tooth count. All P100 ratchets feature a round swivel head with push button quick release function.



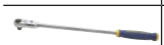
www.carlyletools.com/products/ratchets

Teardrop Head
The standard Teardrop ratchet is anything but standard. Being rated at more than 130% of the ANSI/ASME standard, this tool will be your trusted friend. It features an ultra-slim head for access in confined spaces. Additional variations of the standard teardrop include stubby, quick release, flexible, and speed versions.

Round Head
Our Round Head design not only offers the convenience of a push button quick release, it incorporates a new flip lever mechanism for easy and quick one-hand adjustment of the forward and reverse mechanism.

Comfort Grip

1/2 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kits Item No.
	CHT **R1290**	Comfort Grip	90	4°	Teardrop	12.03"	1.48"	0.67"	1.26"	*CHT* **RK12**
	CHT **R12L90**		90	4°	Long Teardrop	16.62"	1.48"	0.67"	1.26"	*CHT* **RK12**
	CHT **R12S100**		100	3.6°	Swivel	12.28"	1.77"	0.63"	1.75"	*CHT* **RK12S**
	CHT **R12XL48**		48	7.5°	Long Teardrop	25"				
	CHT **R12LFQR**		72	5°	Teardrop Flex Locking - Long	17.69"	1.24"	0.61"	1.34"	*CHT* **RK12FL**
	CHT **R12NLF**		72	5°	Teardrop Flex Non-Locking - Long	17.69"	1.24"	0.61"	1.34"	*CHT* **RK12FL**
	*CHT* **R12R**	Polished	52	6.9°	Round Head with Quick Release	9.84"	1.52"	0.77"	1.73"	*CHT* **RK12R**
	CHT **R12TD**		48	7.5°	Teardrop	9.84"	1.48"	0.69"	1.34"	—
	CHT **R12QR**		48	7.5°	Quick Release Teardrop	9.84"	1.48"	0.69"	1.46"	—
	CHT **R12LQR**		48	7.5°	Long Quick Release Teardrop	14.96"	1.48"	0.69"	1.46"	*CHT* **RK12QR**
	CHT **R12FQR**		48	7.5°	Flexible Quick Release Teardrop	17.68"	1.52"	0.71"	1.46"	—

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GEARWRENCH 90T

1/2 IN. 90T RATCHETS

GEARWRENCH 90-Tooth Ratchets have a 4-degree swing arc and a low-profile enclosed head for easier access to hard-to-turn fasteners and extreme resistance to dirt infiltration. The ratchets are some of the strongest on the market, exceeding ASME torque performance specifications. They are available individually or in sets and are offered in a wide range of sizes and styles to suit every preference and job requirement.

APX **81304T**

APX **81370T**

APX **81303T**

APX **81363T**

Item No.	Drive Size	Head Style	Handle Style	Finish	Head Width	Head Thickness	Overall Length	Weight	Repair Kit
APX **81304T**	1/2"	Tear Drop	Standard	Full Polish	1.72"	0.64"	11"	1.65 lbs.	*APX* 81339T
APX **81303T**	1/2"	Compact	Standard	Cushion Grip	1.72"	0.64"	11.80"	1.30 lbs.	*APX* 81339T
APX **81362T**	1/2"	Tear Drop	Locking Flex	Full Polish	1.72"	0.64"	16.93"	2.30 lbs.	*APX* 81339T
APX **81363T**	1/2"	Tear Drop	Locking Flex	Full Polish	1.72"	0.64"	24.00"	2.79 lbs.	*APX* 81339T
APX **81306T**	1/2"	Tear Drop	Flex	Full Polish	1.72"	0.64"	16.98"	2.05 lbs.	*APX* 81227T
APX **81370T**	1/2"	Tear Drop	Flex	Cushion Grip	1.72"	0.64"	17.00"	2.07 lbs.	*APX* 81339T

GEARWRENCH 120XP

1/2 IN. 120 XP RATCHETS

The Double-Pawl design of GEARWRENCH 120XP™ Ratchets provides 120 ratcheting positions so fasteners can be turned in the tightest spaces and jobs can be completed faster. Two pawls alternately engage a 60-tooth gear, allowing a swing arc of just 3 degrees and delivering strength that exceeds ASME torque performance requirements.

APX **81364**

Item No.	Drive Size	Head Style	Handle Style	Finish	Head Width	Head Thickness	Overall Length	Weight	Repair Kit
APX **81364**	1/2"	Tear Drop	Extra Long	Full Polish	1.72"	.75"	16.9"	2.44 lbs.	*APX* 81339P

EVERCRAFT

1/2 IN. DR. DELUXE RATCHET

CR-V steel, high polish chrome for added strength and durability. Length: 10".

BK **774-1680**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. STANDARD RATCHET

CR-V steel, high polish chrome for added strength and durability. Length: 10".

BK **774-1676**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. FLEX HANDLE

CR-V steel, high polish chrome for added strength and durability. Length: 17".

BK **774-1678**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. BREAKER BARS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **FH1218**	18"
CHT **FH1215**	15"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **IBB1211**

1/2 IN. DR. INDEXING BREAKER BAR WITH COMFORT GRIP

Comfort grip handle for less user fatigue. Full chrome polish for corrosion resistance. CR-V material for strength and durability. 180° Flex design for improved leverage.

Item No.	Description
CHT **IBB1211**	11"
CHT **IBB1215**	15"
CHT **IBB1223**	23"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

1/2 In. Drive Tools

CRAFTSMAN

1/2 IN. DR. 15 IN. BREAKER BAR

Breaker Bar gives you the flexibility to get the job done easier and quicker.

- Corrosion Resistance: Full Polish Chrome Finish
- More Torque: Added Leverage
- Meets or Exceeds ASME Specifications

CTM **CMMT44201**

CARLYLE TOOLS by NAPA

1/2 IN. DR. SPEED HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SH12**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. SPEED HANDLE

Triple chrome-plated handle designed for quick running down of nuts and bolts. Excellent for use in hard-to-reach areas. Length: 16".

BK **774-1880**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. SLIDING T-BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **STB12**	T-Bar With Socket
CHT **STBA12**	Sliding T- Adapter Socket

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. SLIDING T-BAR & SOCKET ADAPTER

CR-V steel, high polish chrome for added strength and durability.

BK **774-1671** Sliding T-Bar
BK **774-1470** Socket Adapter Only

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT1202**	2"
CHT **EXT1203**	3"
CHT **EXT1206**	6"
CHT **EXT1210**	10"
CHT **EXT1220**	20"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. 1-1/2 IN. WOBBLE EXTENSION

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXTW1202**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. EXTENSIONS

CR-V steel, high polish chrome for added strength and durability.

Item No.	Description
BK **774-1672**	3"
BK **774-1675**	5"
BK **774-1670**	10"
BK **774-1668**	20"

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. WOBBLE EXTENSIONS & SET

Unique design. Triple chrome-plated extension bars are off-center from socket at drive end, allowing the tightening of the fastener in confined spaces.

Item No.	Description	*BK* 774-1692 2 Pc. Set
BK **774-1690**	5"	•
BK **774-1691**	10"	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **UNIV12**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

EVERCRAFT™

1/2 IN. DR. UNIVERSAL JOINT SOCKET

CR-V steel, high polish chrome for added strength and durability.

BK **774-1682**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. ADAPTER

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.
Size: 1/2" F to 3/4" M

CHT **ADP1234**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

1/2 IN. DR. ADAPTER

CR-V steel, high polish chrome finish standard adapter.
Size: 1/2" F x 3/4" M.

BK **774-1699**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. REDUCER SOCKET

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty. Size: 1/2" F to 3/8" M

CHT **ADP1238**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. DRAG LINK SOCKETS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SDL1224** 3/4"
CHT **SDL1230** 15/16"

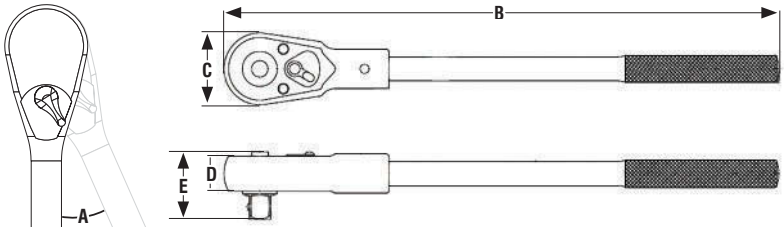
⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE® RATCHETS

Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

CARLYLE TOOLS by NAPA

www.carlyletools.com/products/ratchets



3/4 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kit Item No.
	CHT **R34**	Knurled	40	9°	Quick Release	20.00"	2.56"	2.02"	2.42"	*CHT* **RK34**
	CHT **HAN3436**	36 In. Handle/Extension								

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

Subhead

CRAFTSMAN

3/4 IN. DR. 24 TOOTH PEAR HEAD RATCHET

3/4" Drive 24 Tooth Pear Head Ratchet is durably constructed for speed, comfort, and balance for more overall productivity. A full polish finish with a forged ergonomic handle allows for comfortable use when putting your weight behind a bolt.

CTM **CMMT13015**

EVERCRAFT

3/4 IN. DR. LONG-HANDLE RATCHET

CR-V steel, high polish chrome. Length: 20".

BK **774-1875**

CARLYLE TOOLS by NAPA

3/4 IN. DR. SLIDING T-HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **STH34**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

3/4 IN. DR. SLIDING T-BAR SOCKET EXTENSION

CR-V steel, high polish chrome. Length: 18".

BK **774-1879**

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/4 IN. DR. 19 IN. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH3419**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

3/4 IN. DR. SOCKET EXTENSIONS

CR-V steel, high polish chrome.

Item No.	Description
BK **774-1876**	4"
BK **774-1877**	8"
BK **774-1878**	16"

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/4 IN. DR. EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT3405**	5"
CHT **EXT3408**	8"
CHT **EXT3416**	16"

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/4 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty

CHT **UNIV34**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

3/4 IN. DR. ADAPTER

CR-V steel, high polish chrome finish standard adapter. Size: 3/4" F x 1/2" M.

BK **774-1899**

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CHT **ADP3401** *CHT* **ADP3412**

3/4 IN. DR. SOCKET ACCESSORIES

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **ADP3401** Adapter, Size: 3/4" F x 1" M.
CHT **ADP3412** Reducer, Size: 3/4" F x 1/2" M.

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

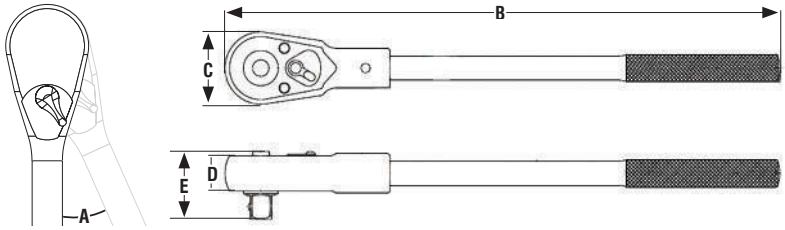
WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE® RATCHETS

Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

www.carlyletools.com/products/ratchets



1 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kit Item No.
	CHT **R01**	Knurled	36	10°	Quick Release	30.12"	3.11"	2.20"	2.80"	*CHT* **RK01**
	CHT **HAN0136**	36 In. Handle/Extension								

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1 IN. DR. SLIDING T-BAR ASSEMBLY

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **STB01**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1 IN. DR. 26 IN. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH0126** Flex Handle
CHT **FHRK01** Flex Handle Repair Kit

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1 IN. DR. EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXT0108** 8"
CHT **EXT0116** 16"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **UNIV01**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1 IN. DR. ADAPTER

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **ADP0134**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

Specialty Sockets

EVERCRAFT

3/8 IN. DR. UNIVERSAL SWIVEL SPARK PLUG SOCKETS & SET

Standard swivel spark plug sockets feature chrome vanadium finish and six socket points. Ideal for use on hard to access spark plugs.

Item No.	Size	BK 774-0113 4 Pc. Set
BK 774-5866	9/16"	•
BK 774-5877	13/16"	•
BK 774-5878	5/8"	•
BK 774-5879	3/4"	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. SPARK PLUG SOCKETS

CR-V steel, high polish chrome with cushion-grip insert. Lifetime warranty.

BK 774-1466 9/16", 6 Pt.
BK 774-1478 5/8", 6 Pt.
BK 774-1477 13/16", 12 Pt.

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. EXTENDED SPARK PLUG SOCKET

This 3/8" drive socket removes or installs 5/8", center-located spark plugs. Black oxide finish. Length: 4 1/2".

BK 776-9052

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/2 IN. DR. SPARK PLUG SOCKETS

Triple plated for long life. Lifetime warranty.

CHT SSP1220 5/8"
CHT SSP1226 13/16"

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

1/2 IN. DR. SPARK PLUG SOCKETS

Chrome-plated, vanadium alloy steel. Lifetime warranty.

BK 774-1677 5/8"
BK 774-1679 13/16"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

GM OIL PRESSURE & STOP LIGHT SWITCH SOCKET

CR-V steel, high polish chrome socket removes GM 2.0, 2.5, 2.8, and 3.0 liter engine oil pressure sending units with 13/16" hex. Can be used with 1/2" drive ratchets or 7/8" wrenches.

BK 776-9046

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

UNIVERSAL OIL PRESSURE & STOP LIGHT SWITCH SOCKET

Chrome vanadium, 3/8" socket removes oil pressure sending unit on most engines and also fits some brake light switches. Has 11/16" opening and recess to accommodate switch. Can be turned with a 3/4" wrench.

BK 776-9048

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

Provides coverage for lower profile Chrysler '02 sensors.

MASTER SENSOR SOCKETS & SET

Designed for the removal and installation of oxygen sensors, oil pressure sending units, and vacuum switches.

Item No.	Description	SER 41720 8 Pc. Set
—	13/16" (29mm) 1/2" Drive Oil Sender Socket: Fits 13/16" oil pressure sending units found on late-80's and mid-90's GM vehicles. (90mm Long)	•
—	7/8" (22mm) Slotted 3/8" Drive PVS, TVS and O2 Socket: Removes and installs vacuum switches with a 7/8" hex. Also fits some oxygen sensors (90mm Long)	•
—	11/16" (27mm) 1/2" Drive GM Thermal Sensor Switch Socket: Remove and install 1977-73 GM thermal sensor switch. Also fits some oil pressure sending units. (85mm Long)	•
SER 3922	7/8" (22mm) Oxygen Sensor Socket: Removes and installs oxygen sensors in most domestic and some imported vehicles. Slotted socket allows for wire clearance. (80mm Long)	•
SER 3923	11/16" Oil Pressure Sending Unit Socket 3/8" Drive: Deep well allows for up to 2 5/8" Clearance (74mm Long)	•
SER 3924	7/8" (22mm) Oxygen Sensor Socket: Offset end has double Hex 1/2" drive for access (50mm Long)	•
SER 3925	7/8" (22mm) Low Profile Offset Oxygen Sensor Socket: Removes and installs oxygen sensors in most domestic and some imported vehicles. (30mm Long)	•
—	1 1/8" Short Access Socket 3/8" Drive: For access to some Chrysler vehicles (54mm Long)	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

UNIVERSAL VACUUM PVS/TVS VALVE & OXYGEN SENSOR SOCKET

Specially designed socket is for removal and replacement of vacuum switches with a 7/8" hex currently found on Ford, GM, Chrysler and some import vehicles. Also used to remove and replace some oxygen sensors. Use with a 1/2" square drive tool or 7/8" wrench. Socket depth: 3 1/8".

CAUTION: Do not use with engine running. Do not use with power tools. For intended use only.

SER 3259

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

UNIVERSAL VACUUM PVS/TVS VALVE & OXYGEN SENSOR SOCKET

This specially designed, chrome vanadium socket is for the removal and replacement of vacuum switches with a 7/8" hex. Can also be used to remove some oxygen sensors. For use with 3/8" drive tools or 1" wrenches.

BK **776-9047**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

3/8 IN. DR. OFFSET OXYGEN SENSOR WRENCH

For removal and installation of 7/8" sensors on computerized engine control vehicles. Offset design ideal for confined areas. Not for impact use.

BK **776-9192**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DUAL-DRIVE OXYGEN SENSOR WRENCH

Includes 3/8" and 1/2" drive and fits oxygen sensors with a heat shield. Attaching a 1/2" breaker bar on end of tool will initially loosen stuck sensors. Use a 3/8" ratchet on the top for fast removal and installation. Forged, heat-treated steel, six-point design withstands high-torque removal applications, and slotted body allows clearance for wire harnesses.

SER **77-4022**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

CHRYSLER/GM OIL PRESSURE SENDING UNIT SWITCH SOCKET

Chrome vanadium socket removes 2 3/4" deep oil pressure switches requiring a 11/16" hex. A required tool on late model Chrysler and GM vehicles. Can be used with 3/8 or 1 1/8" drive wrenches. Length: 3 1/4".

BK **776-9049**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SER **3963**

SER **3964** *SER* **3965** *SER* **3966**

EXHAUST MANIFOLD SOCKETS & SET

- Patented cone shaped socket helps to keep springs in place while working the nut down over the stud
- Works on exhaust manifolds and other applications where a spring needs to be compressed during installation of a nut
- Set Includes commonly found on GM engines

Item No.	Description	*SER* 3963 3 Pc. Set
SER **3964**	12-13mm	•
SER **3965**	14-15mm	•
SER **3966**	18mm	•

CARLYLE TOOLS by NAPA

Combines both Metric and SAE in one set.

8 PC. METRIC & SAE STUD REMOVAL KIT

Complete SAE and Metric stud remover set offers the best professional extractors available. Designed and tested to reach studs in difficult work areas.

SER **41760**

Contents

Item No.	Size	Drive Size
SER **41761**	6mm	3/8"
SER **41762**	8mm	3/8"
SER **41763**	10mm	1/2"
SER **41764**	12mm	1/2"
SER **41765**	3/8"	1/2"
SER **41766**	7/16"	1/2"
SER **41767**	5/16"	3/8"
SER **41768**	1/4"	3/8"

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

4 PC. METRIC STUD PULLER SET

Quickly and easily removes right or left threaded studs with no damage to threads. Turn with 3/8" or 1/2" dr. tool or 13/16" wrench. For hand use only. CR-V construction.

BK **776-9185**

Contents

Dr. Size	Description
3/8"	6mm
3/8"	8mm
1/2"	10mm
1/2"	12mm

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

4 PC. SAE STUD PULLER SET

Quickly and easily removes right or left threaded studs with no damage to threads. Turn with 3/8" or 1/2" dr. tool or 13/16" wrench. For hand use only. CR-V construction.

BK **776-9184**

Contents

Dr. Size	Description
3/8"	1/4"
3/8"	5/16"
1/2"	3/8"
1/2"	7/16"

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

STUD EXTRACTOR

Removes 1/4" (6mm) to 3/4" (19mm) studs. Cam wheel grips within 9/32" of flat surface to hold stud. Drive socket will not bind. Use 1/2" square drive tools to operate.

SER **1708**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

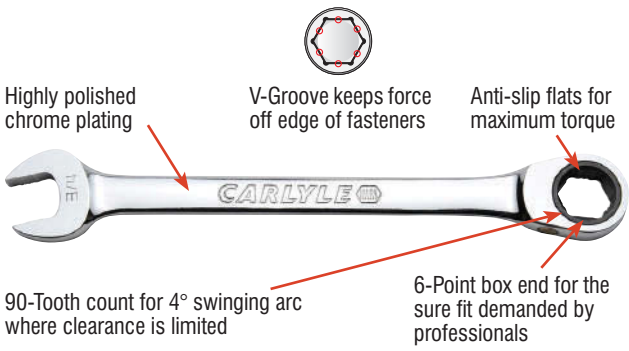
WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE® RATCHETING WRENCHES

Full polish chrome finish on each wrench resists corrosion while maintaining the look and feel of a new product. The ratcheting mechanism in the Carlyle ratcheting wrenches can withstand up to 200% of the ANSI specification.

A WHOLE NEW LEVEL

Maximum Strength • Minimum Clearance


Highly polished chrome plating
V-Groove keeps force off edge of fasteners
Anti-slip flats for maximum torque
90-Tooth count for 4° swinging arc where clearance is limited
6-Point box end for the sure fit demanded by professionals

CHT **RW010**

SAE MET

6 PT. STANDARD LENGTH RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RW612M 12 Pc. Set	*CHT* RW608 8 Pc. Set
CHT **RW010**	5/16"		•
CHT **RW012**	3/8"		•
CHT **RW014**	7/16"		•
CHT **RW016**	1/2"		•
CHT **RW018**	9/16"		•
CHT **RW020**	5/8"		•
CHT **RW022**	11/16"		•
CHT **RW024**	3/4"		•
CHT **RW026**	13/16"		
CHT **RW028**	7/8"		
CHT **RW030**	15/16"		
CHT **RW032**	1"		
CHT **RW034**	1 1/16"		
CHT **RW036**	1 1/8"		
CHT **RW038**	1 3/16"		
CHT **RW040**	1 1/4"		
CHT **RW008M**	8mm	•	
CHT **RW009M**	9mm	•	
CHT **RW010M**	10mm	•	
CHT **RW011M**	11mm	•	
CHT **RW012M**	12mm	•	
CHT **RW013M**	13mm	•	
CHT **RW014M**	14mm	•	
CHT **RW015M**	15mm	•	
CHT **RW016M**	16mm	•	
CHT **RW017M**	17mm	•	
CHT **RW018M**	18mm	•	
CHT **RW019M**	19mm	•	
CHT **RW021M**	21mm		
CHT **RW022M**	22mm		
CHT **RW024M**	24mm		
CHT **RW027M**	27mm		
CHT **RW029M**	29mm		
CHT **RW030M**	30mm		
CHT **RW032M**	32mm		

CARLYLE TOOLS by NAPA

SAE MET

CHT **RWR010**

6 PT. REVERSIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWR612M 12 Pc. Set	*CHT* RWR608 8 Pc. Set
CHT **RWR010**	5/16"		•
CHT **RWR012**	3/8"		•
CHT **RWR014**	7/16"		•
CHT **RWR016**	1/2"		•
CHT **RWR018**	9/16"		•
CHT **RWR020**	5/8"		•
CHT **RWR022**	11/16"		•
CHT **RWR024**	3/4"		•
CHT **RWR008M**	8mm	•	
CHT **RWR009M**	9mm	•	
CHT **RWR010M**	10mm	•	
CHT **RWR011M**	11mm	•	
CHT **RWR012M**	12mm	•	
CHT **RWR013M**	13mm	•	
CHT **RWR014M**	14mm	•	
CHT **RWR015M**	15mm	•	
CHT **RWR016M**	16mm	•	
CHT **RWR017M**	17mm	•	
CHT **RWR018M**	18mm	•	
CHT **RWR019M**	19mm	•	

CHT **RWFL010**

SAE MET

6 PT. FLEXIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWFL612M 12 Pc. Set	*CHT* RWFL808 8 Pc. Set
CHT **RWFL010**	5/16"		•
CHT **RWFL012**	3/8"		•
CHT **RWFL014**	7/16"		•
CHT **RWFL016**	1/2"		•
CHT **RWFL018**	9/16"		•
CHT **RWFL020**	5/8"		•
CHT **RWFL022**	11/16"		•
CHT **RWFL024**	3/4"		•
CHT **RWFL026**	13/16"		
CHT **RWFL028**	7/8"		
CHT **RWFL030**	15/16"		
CHT **RWFL008M**	8mm	•	
CHT **RWFL009M**	9mm	•	
CHT **RWFL010M**	10mm	•	
CHT **RWFL011M**	11mm	•	
CHT **RWFL012M**	12mm	•	
CHT **RWFL013M**	13mm	•	
CHT **RWFL014M**	14mm	•	
CHT **RWFL015M**	15mm	•	
CHT **RWFL016M**	16mm	•	
CHT **RWFL017M**	17mm	•	
CHT **RWFL018M**	18mm	•	
CHT **RWFL019M**	19mm	•	
CHT **RWFL021M**	21mm		
CHT **RWFL022M**	22mm		
CHT **RWFL024M**	24mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **RWS018**

6 PT. STUBBY RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWS608 8 Pc. Set	*CHT* RWS612M 12 Pc. Set
CHT **RWS010**	5/16"	•	
CHT **RWS012**	3/8"	•	
CHT **RWS014**	7/16"	•	
CHT **RWS016**	1/2"	•	
CHT **RWS018**	9/16"	•	
CHT **RWS020**	5/8"	•	
CHT **RWS022**	11/16"	•	
CHT **RWS024**	3/4"	•	
CHT **RWS008M**	8 mm		•
CHT **RWS009M**	9 mm		•
CHT **RWS010M**	10 mm		•
CHT **RWS011M**	11 mm		•
CHT **RWS012M**	12 mm		•
CHT **RWS013M**	13 mm		•
CHT **RWS014M**	14 mm		•
CHT **RWS015M**	15 mm		•
CHT **RWS016M**	16 mm		•
CHT **RWS017M**	17 mm		•
CHT **RWS018M**	18 mm		•
CHT **RWS019M**	19 mm		•

CHT **RWFLS010**

6 PT. STUBBY FLEXIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWFLS608 8 Pc. Set	*CHT* RWFLS612M 12 Pc. Set
CHT **RWFLS010**	5/16"	•	
CHT **RWFLS012**	3/8"	•	
CHT **RWFLS014**	7/16"	•	
CHT **RWFLS016**	1/2"	•	
CHT **RWFLS018**	9/16"	•	
CHT **RWFLS020**	5/8"	•	
CHT **RWFLS022**	11/16"	•	
CHT **RWFLS024**	3/4"	•	
CHT **RWFLS008M**	8mm		•
CHT **RWFLS009M**	9mm		•
CHT **RWFLS010M**	10mm		•
CHT **RWFLS011M**	11mm		•
CHT **RWFLS012M**	12mm		•
CHT **RWFLS013M**	13mm		•
CHT **RWFLS014M**	14mm		•
CHT **RWFLS015M**	15mm		•
CHT **RWFLS016M**	16mm		•
CHT **RWFLS017M**	17mm		•
CHT **RWFLS018M**	18mm		•
CHT **RWFLS019M**	19mm		•

CHT **RWRS010**

6 PT. 15° STUBBY REVERSIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWRS608 8 Pc. Set	*CHT* RWRS612M 12 Pc. Set
CHT **RWRS010**	5/16"	•	
CHT **RWRS012**	3/8"	•	
CHT **RWRS014**	7/16"	•	
CHT **RWRS016**	1/2"	•	
CHT **RWRS018**	9/16"	•	
CHT **RWRS020**	5/8"	•	
CHT **RWRS022**	11/16"	•	
CHT **RWRS024**	3/4"	•	
CHT **RWRS008M**	8mm		•
CHT **RWRS009M**	9mm		•
CHT **RWRS010M**	10mm		•
CHT **RWRS011M**	11mm		•
CHT **RWRS012M**	12mm		•
CHT **RWRS013M**	13mm		•
CHT **RWRS014M**	14mm		•
CHT **RWRS015M**	15mm		•
CHT **RWRS016M**	16mm		•
CHT **RWRS017M**	17mm		•
CHT **RWRS018M**	18mm		•
CHT **RWRS019M**	19mm		•

CHT **RWLB1112**

6 PT. EXTRA-LONG DOUBLE BOX RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWLB5 5 Pc. Set	*CHT* RWLB6M 6 Pc. Set
CHT **RWLB810**	1/4" x 5/16"	•	
CHT **RWLB1112**	11/32" x 3/8"	•	
CHT **RWLB1416**	7/16" x 1/2"	•	
CHT **RWLB1820**	9/16" x 5/8"	•	
CHT **RWLB2224**	11/16" x 3/4"	•	
CHT **RWLB2628**	13/16" x 7/8"		
CHT **RWLB3032**	15/16" x 1"		
CHT **RWLB89M**	8 x 9mm		•
CHT **RWLB1011M**	10 x 11mm		•
CHT **RWLB1213M**	12 x 13mm		•
CHT **RWLB1415M**	14 x 15mm		•
CHT **RWLB1618M**	16 x 18mm		•
CHT **RWLB1719M**	17 x 19mm		•
CHT **RWLB2122M**	21 x 22mm		
CHT **RWLB2427M**	24 x 27mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **RWLBFL1820**

12 PT. SPLINE-PLUS EXTRA-LONG DOUBLE BOX FLEXIBLE RATCHETING WRENCHES & SETS

SAE MET

Features a "Spherical" ratchet end and non-slip open end. The 90 tooth count gear allows 4° arc swing. This design provides an incredibly precise turning radius for work in tight spaces. Full polish chrome finish on each wrench resists corrosion while maintaining the look and feel of a new product.

Item No.	Size	*CHT* **RWLBFL4** 4 Pc. Set	*CHT* **RWLBFL5M** 5 Pc. Set
CHT **RWLBFL1012**	5/16" x 3/8"	•	
CHT **RWLBFL1416**	7/16" x 1/2"	•	
CHT **RWLBFL1820**	9/16" x 5/8"	•	
CHT **RWLBFL2224**	11/16" x 3/4"	•	
CHT **RWLBFL810M**	8 x 10mm		•
CHT **RWLBFL1214M**	12 x 14mm		•
CHT **RWLBFL1315M**	13 x 15mm		•
CHT **RWLBFL1618M**	16 x 18mm		•
CHT **RWLBFL1719M**	17 x 19mm		•

6 PT. METRIC OPEN FLEX FLARE NUT COMBINATION RATCHETING LINE WRENCHES

Unique ratcheting mechanism - no need to remove the wrench from the fastener. Fully polished chrome - long lasting and easy to clean. The more pressure exerted, the tighter the fit on the fastener. Full shoulder contact on fastener - more points of contact mean less slippage and stripping of fasteners. Removes tube nut safer and quicker. Strong mechanism exceeds ANSI specifications for combination wrenches.

Item No.	Size
CHT **LWFL17M**	17mm
CHT **LWFL19M**	19mm
CHT **LWFL22M**	22mm
CHT **LWFL24M**	24mm
CHT **LWFL27M**	27mm
CHT **LWFL32M**	32mm

- 360° Grip removes even a round hex
- Ratchet function works in tight spaces
- More pressure applied equals tighter grip on hex
- Open and close wrench head with one hand

MET

CHT **LWFL2224**

6 PT. DOUBLE FLEX FLARE RATCHETING LINE WRENCHES & SETS

SAE MET

Unique ratcheting mechanism - no need to remove the wrench from the fastener. Fully polished chrome - long lasting and easy to clean. The more pressure exerted, the tighter the fit on the fastener. Full shoulder contact on fastener - more points of contact mean less slippage and stripping of fasteners. Removes tube nut safer and quicker. Strong mechanism exceeds ANSI specifications for combination wrenches. 6 Points.

Item No.	Size	*CHT* **LWFL4** 4 Pc. Set w/ Tray	*CHT* **LWFL4M** 4 Pc. Set w/ Tray	*CHT* **LWFL6M** 6 Pc. Set w/ Tray
CHT **LWFL1012**	5/16" x 3/8"	•		
CHT **LWFL1416**	7/16" x 1/2"	•		
CHT **LWFL1820**	9/16" x 5/8"	•		
CHT **LWFL2224**	11/16" x 3/4"	•		
CHT **LWFL0809M**	8mm x 9mm		•	•
CHT **LWFL1011M**	10mm x 11mm		•	•
CHT **LWFL1213M**	12mm x 13mm		•	•
CHT **LWFL1415M**	14mm x 15mm		•	•
CHT **LWFL1617M**	16mm x 17mm			•
CHT **LWFL1819M**	18mm x 19mm			•

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

12 PT. FLAT RATCHETING WRENCHES & SETS

SAE MET

Features a non-slip ratchet and non-slip open end. The 90-tooth count gear allows 4° arc swing. This design provides an incredibly precise turning radius for work in tight spaces.

- Full polish chrome finish on each wrench resists corrosion while maintaining the look and feel of a new product

Item No.	Size	*CHT* RW1212M 12 Pc. Set	*CHT* RW1208 8 Pc. Set
CHT **RW110**	5/16"		•
CHT **RW112**	3/8"		•
CHT **RW114**	7/16"	•	
CHT **RW116**	1/2"	•	
CHT **RW118**	9/16"		•
CHT **RW120**	5/8"		•
CHT **RW122**	11/16"		•
CHT **RW124**	3/4"		•
CHT **RW126**	13/16"		
CHT **RW128**	7/8"		
CHT **RW130**	15/16"		
CHT **RW132**	1"		
CHT **RW134**	1 1/16"		
CHT **RW136**	1 1/8"		
CHT **RW138**	1 3/16"		
CHT **RW140**	1 1/4"		
CHT **RW108M**	8mm	•	
CHT **RW109M**	9mm	•	
CHT **RW110M**	10mm	•	
CHT **RW111M**	11mm	•	
CHT **RW112M**	12mm	•	
CHT **RW113M**	13mm	•	
CHT **RW114M**	14mm	•	
CHT **RW115M**	15mm	•	
CHT **RW116M**	16mm	•	
CHT **RW117M**	17mm	•	
CHT **RW118M**	18mm	•	
CHT **RW119M**	19mm	•	
CHT **RW121M**	21mm		
CHT **RW122M**	22mm		
CHT **RW124M**	24mm		
CHT **RW127M**	27mm		
CHT **RW129M**	29mm		
CHT **RW130M**	30mm		
CHT **RW132M**	32mm		

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

12 PT. 15° STANDARD LENGTH REVERSIBLE RATCHETING WRENCHES & SETS

SAE MET

Features a non-slip ratchet end and non-slip open end. The 90-tooth count gear allows 4° arc swing. This design provides an incredibly precise turning radius for work in tight spaces.

- Full polish chrome finish on each wrench resists corrosion while maintaining the look and feel of a new product

Item No.	Size	*CHT* RWR1212M 12 Pc. Set	*CHT* RWR1208 8 Pc. Set
CHT **RWR110**	5/16"		•
CHT **RWR112**	3/8"		•
CHT **RWR114**	7/16"		•
CHT **RWR116**	1/2"		•
CHT **RWR118**	9/16"		•
CHT **RWR120**	5/8"		•
CHT **RWR122**	11/16"		•
CHT **RWR124**	3/4"		•
CHT **RWR108M**	8mm	•	
CHT **RWR109M**	9mm	•	
CHT **RWR110M**	10mm	•	
CHT **RWR111M**	11mm	•	
CHT **RWR112M**	12mm	•	
CHT **RWR113M**	13mm	•	
CHT **RWR114M**	14mm	•	
CHT **RWR115M**	15mm	•	
CHT **RWR116M**	16mm	•	
CHT **RWR117M**	17mm	•	
CHT **RWR118M**	18mm	•	
CHT **RWR119M**	19mm	•	

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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WARNING: Always wear protective eyewear when using hand tools and accessories.

GEARWRENCH

XL COMBINATION RATCHETING WRENCH SETS

XL Wrenches are 20% Longer and 25% Stronger

- Increased length provides more torque and better access to those hard to reach fasteners
- Ratcheting box end needs as little as 5 degrees to move fasteners vs. 30 degrees for standard box-end wrenches
- Off Corner Load Anti-Rounding Design reduces fastener rounding
- Includes Rack

SAE *APX* **85199**

Item No.	Description
APX **85199**	13 Piece SAE Set Includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
APX **85099**	16 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 24mm
APX **85198**	8 Piece SAE Set Includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
APX **85098**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm

XL LOCKING FLEX-HEAD COMBINATION RATCHETING WRENCH SETS

XL Locking Flex - 15% longer than standard flex ratcheting

- 13 Locking positions with flexible head
- One finger - operated lever with options of "locked" or "unlocked" positions
- Increased length to access those hard to reach fasteners
- Off Corner Load Anti-Rounding Design reduces fastener rounding
-

SAE *APX* **85798**

Item No.	Description
APX **85798**	8 Piece SAE Set Includes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
APX **85698**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm

SAE *APX* **9312**

SAE *APX* **93005**

MET *APX* **9416**

SAE *APX* **9308**

"ORIGINAL" COMBINATION RATCHETING WRENCH SETS

- Ratcheting box end needs as little as 5 degrees to move fasteners versus 30 degrees for standard box end wrenches
- Off Corner Load Anti-Rounding Design reduces fastener rounding
- Reduces fastener rounding
- Delivers up to 25% more torque

Item No.	Description
APX **9312**	13 Piece SAE Set Includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1" with Rack
APX **9308**	8 Piece SAE Set Includes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" with Tray
APX **9317**	7 Piece SAE Set Includes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4" with Tray
APX **93005**	5 Piece SAE Set Includes: 3/8", 7/16", 1/2", 9/16", 5/8"
APX **9416**	16 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 24mm with Rack
APX **9412**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, with Tray
APX **9417**	7 Piece MM Set Includes: 8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 18mm with Tray
APX **93004**	5 Piece MM Set Includes: 10mm, 12mm, 13mm, 14mm, 15mm, with Tray

WARNING: Always wear protective eyewear when using hand tools and accessories.

GEARWRENCH

SAE *APX* **9509**

MET *APX* **9602**

MET *APX* **9620**

SAE *APX* **9533**

REVERSIBLE COMBINATION RATCHETING WRENCH SETS

- Compact reversing lever prevents having to remove wrench from fastener to change direction
- 15 degree off-set provides additional knuckle clearance
- Off Corner Load Anti-Rounding Design reduces fastener rounding

Item No.	Description
APX **9509**	13 Piece SAE Set Includes: $^{5}/_{16}$", $^{11}/_{32}$", $^{3}/_{8}$", $^{7}/_{16}$", $^{1}/_{2}$", $^{9}/_{16}$", $^{5}/_{8}$", $^{11}/_{16}$", $^{3}/_{4}$", $^{13}/_{16}$", $^{7}/_{8}$", $^{15}/_{16}$", 1" with Rack
APX **9533**	8 Piece SAE Set Includes: $^{5}/_{16}$", $^{3}/_{8}$", $^{7}/_{16}$", $^{1}/_{2}$", $^{9}/_{16}$", $^{5}/_{8}$", $^{11}/_{16}$", $^{3}/_{4}$" with Tray
APX **9602**	16 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm 25mm with Rack
APX **9620**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Tray
APX **9543**	8 Piece MM Set Includes: 8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm with Tray
APX **9545**	4 Piece SAE Set Includes: $^{13}/_{16}$", $^{7}/_{8}$", $^{15}/_{16}$", 1" with Tray
APX **9601**	4 Piece MM Set Includes: 21mm, 22mm, 24mm 25mm with Tray

SAE *APX* **9702**

SAE *APX* **9700**

MET *APX* **9901**

MET *APX* **9903**

FLEX-HEAD COMBINATION RATCHETING WRENCH SETS

- Flex Head tilts up to 180 degree at any interval
- Adjustable set screw allows you to set desired head tension

Item No.	Description
APX **9702**	13 Piece SAE Set Includes: $^{5}/_{16}$", $^{11}/_{32}$", $^{3}/_{8}$", $^{7}/_{16}$", $^{1}/_{2}$", $^{9}/_{16}$", $^{5}/_{8}$", $^{11}/_{16}$", $^{3}/_{4}$", $^{13}/_{16}$", $^{7}/_{8}$", $^{15}/_{16}$", 1" with Rack
APX **9701**	8 Piece SAE Set Includes: $^{5}/_{16}$", $^{3}/_{8}$", $^{7}/_{16}$", $^{1}/_{2}$", $^{9}/_{16}$", $^{5}/_{8}$", $^{11}/_{16}$", $^{3}/_{4}$" with Rack
APX **9700**	7 Piece SAE Set Includes: $^{3}/_{8}$", $^{7}/_{16}$", $^{1}/_{2}$", $^{9}/_{16}$", $^{5}/_{8}$", $^{3}/_{4}$" with Tray
APX **9902**	16 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm 25mm with Rack
APX **9901**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Rack
APX **9900**	7 Piece MM Set Includes: 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, with Rack
APX **9703**	4 Piece SAE Set Includes: $^{13}/_{16}$", $^{7}/_{8}$", $^{15}/_{16}$", 1"
APX **9903**	4 Piece MM Set Includes: 21mm, 22mm, 24mm 25mm

WARNING: Always wear protective eyewear when using hand tools and accessories.

GEARWRENCH

120XP™ UNIVERSAL SPLINE XL FLEX-HEAD COMBINATION RATCHETING WRENCH SETS

- 120 Positions give a 3° ratcheting arc for working in tighter confines.
- Off Corner Load Anti-Rounding Design reduces fastener rounding
- Reduced Open-End and Box-End diameters for increased access.
- Highly visible, recessed color size markings on each end; Blue Metric, Red SAE
- Ratcheting Flex-Head Box-End gives adjustable access angle

Item No.	Description
APX **86247**	11 Piece SAE Set Includes: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" with Storage Rack
APX **86229**	12 Piece Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Storage Rack

120XP

APX **86247**

120XP™ UNIVERSAL SPLINE XL FLEX-HEAD GEARBOX™ RATCHETING WRENCH SETS

- 120 Positions give a 3° ratcheting arc for working in tighter confines.
- Off Corner Load Anti-Rounding Design reduces fastener rounding
- Reduced Box-End diameters for increased access.
- Highly visible, recessed color size markings on each end; Blue Metric, Red SAE
- Ratcheting Flex-Head Box-End gives adjustable access angle

Item No.	Description
APX **86142**	10 Piece SAE Set Includes: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" with Storage Rack
APX **86126**	10 Piece Set Includes: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Storage Rack

120XP

APX **86142**

120XP™ UNIVERSAL SPLINE XL COMBINATION RATCHETING WRENCH SETS

- 120 Positions give a 3° ratcheting arc for working in tighter confines
- Off Corner Load Anti-Rounding Design reduces fastener rounding
- Reduced Open-End and Box-End diameters for increased access
- Highly visible, recessed color size markings on each end; Blue Metric, Red SAE

SAE *APX* **86452**

MET *APX* **86428**

MET *APX* **86426**

Item No.	Description
APX **86451**	16 Piece SAE Set Includes: 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" 13/16", 7/8", 15/16", 1" with Storage Rack
APX **86427**	16 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 24mm with Storage Rack
APX **86426**	14 Piece MM Set Includes: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Storage Rack
APX **86450**	11 Piece SAE Set Includes: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" with Storage Rack
APX **86452**	7 Piece SAE Set Includes: 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4", with Storage Rack
APX **89428**	4 Piece MM Set Includes: 20mm, 21mm, 22mm, 24mm with Storage Rack

WARNING: Always wear protective eyewear when using hand tools and accessories.

GEARWRENCH

MET APX **86928**

MET APX **86927**

SAE APX **86958**

SAE APX **86959**

16 PC. 90-TOOTH 12 PT. COMBINATION RATCHETING WRENCH SETS

GEARWRENCH® 90-tooth ratcheting wrench swing arc of just 4° turns fasteners in extremely tight spaces. Longer, wider beam delivers improved reach, leverage, and comfort. Large color-coded SAE/metric markings make size identification easy. All exceed ASME performance specs and come with the trusted GEARWRENCH limited lifetime warranty.

- 90-tooth ratcheting box end delivers a 4° swing arc to turn a fastener in tight spaces
- Off-corner loading design on box end provides better grip and reduces fastener rounding
- Dual-direction off-corner loading on open-end reduces fastener rounding
- 12-point ratcheting box-end for use on 6 or 12-point fasteners
- Longer, wider beam for improved reach, leverage, and comfort
- Large color-coded markings for easy size ID
- Bright, full polish chrome finish easily wipes clean and resists corrosion
- Exceeds ASME torque performance requirements
- Includes solvent resistant compact rack with drop in wrench placement for storage and organization

Item No.	Description
APX **86928**	16 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm, 25mm
APX **86927**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm , 16mm, 17mm, 18mm, 19mm
APX **86959**	14 Piece SAE Set Includes: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
APX **86958**	10 Piece SAE Set Includes: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4 "

SAE APX **86759**

MET APX **86727**

SAE APX **86758**

90-TOOTH 12 POINT FLEX-HEAD COMBINATION RATCHETING WRENCH SETS

These new 90T™ ratcheting wrenches are perfect for the tight situations technicians face every day. Their 90-tooth 12-point ratcheting box end turns 6 and 12-point fasteners with just a 4° swing arc for improved access, while dual direction off-corner loading reduces fastener rounding. They're longer for greater reach and leverage and their large color markings make size identification quick and easy. GEARWRENCH Lifetime Warranted and available now.

Item No.	Description
APX **86759**	14 Piece SAE Set Includes: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
APX **86727**	12 Piece Metric Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
APX **86758**	10 Piece SAE Includes: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

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WARNING: Always wear protective eyewear when using hand tools and accessories.

Ratcheting Wrenches & Sets

GEARWRENCH

SAE APX **85599**

OPEN-END RATCHETING WRENCH SETS

- Combines the speed of ratcheting with the access of the open end wrench
- The patented tooth design provides the unique ratcheting function making jobs faster and easier.
- Quickly ratchet nuts and bolts without removing the wrench from the fastener.

Item No.	Description
APX **85599**	8 Piece SAE Set Includes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
APX **85597**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm

GEARWRENCH

SAE APX **85498**

INDEXING COMBINATION RATCHETING WRENCH SETS

- Combines the speed of ratcheting with the access of the open end wrench
- The patented tooth design provides the unique ratcheting function making jobs faster and easier.
- Quickly ratchet nuts and bolts without removing the wrench from the fastener.

Item No.	Description
APX **85498**	8 Piece SAE Set Includes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
APX **85488**	12 Piece MM Set Includes: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm

GEARWRENCH

SAE

LARGE COMBINATION RATCHETING WRENCH SETS

Item No.	Description
APX **9309**	4 Piece SAE Set Includes: 13/16", 7/8", 15/16", 1" with Tray
APX **9413**	4 Piece MM Set Includes: 21mm, 22mm, 24mm, 25mm, with Tray

GEARWRENCH

APX **9570** SAE

APX **9550** MET

STUBBY FLEX COMBINATION RATCHETING WRENCH SETS

- Flex head tilts up to 180° at any interval for access to confined areas.
- Stubby wrench beam allows access into tight areas.

Item No.	Description
APX **9570**	7 Piece SAE Set Includes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" with Tray
APX **9550**	10 Piece MM Set Includes: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Tray

GEARWRENCH

APX **9507** SAE

APX **9520** MET

STUBBY COMBINATION RATCHETING WRENCH SETS

Same great concept as the original GearWrench® in a "stubby" length for work in tight spaces.

Item No.	Description
APX **9507**	7 Piece SAE Set Includes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" with Tray
APX **9520**	10 Piece MM Set Includes: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm with Tray

GEARWRENCH

SAE APX **9841**

MET APX **9850**

HALF-MOON REVERSIBLE RATCHETING WRENCH SETS

Productivity

- Ratcheting Box-End needs as little as 5° to move fastener VS. 30° for standard box end wrenches
- Dual access reversing levers

Design

- Surface Drive® design nearly eliminates fastener rounding

Access

- Half-Moon shape provides ease in getting around obstacles

Item No.	Description
APX **9841**	4 Piece SAE Set Includes: 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8" with Tray
APX **9842**	5 Piece MM Set Includes: 10mm x 12mm, 11mm x 13mm, 14mm x 16MM, 15mm x 17mm, 19mm x 22mm with Tray

WARNING: Always wear protective eyewear when using hand tools and accessories.

GEARWRENCH

SAE

APX 9240

DOUBLE-BOX RATCHETING WRENCH SETS

- Save weight: 2 sizes in one wrench!
- Off Corner Load Anti-Rounding Design reduces fastener rounding

Item No.	Description
APX **9240**	4 Piece SAE Set Includes: $^{15}/_{16}$" x $^{3}/_{8}$", $^{7}/_{16}$" x $^{1}/_{2}$",$^{9}/_{16}$" x $^{5}/_{8}$", $^{11}/_{16}$" x $^{3}/_{4}$" with Tray
APX **9260**	6 Piece MM Set Includes: 8 x 9mm, 10 x 11mm, 12 x 13mm, 14 x 15mm, 16 x 18mm, 17 x 19mm with Tray

GEARWRENCH

SAE

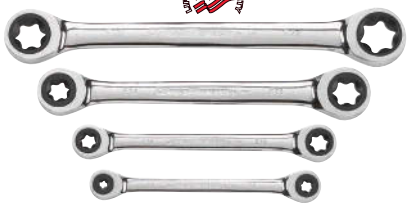
APX 89100

FLEX FLARE NUT RATCHETING WRENCH SETS

- Quickly ratchet flare nuts and bolts without removing wrench from fastener
- Flex head provides access to difficult -to -reach hose fittings and gets around other obstructions
- Flare nut wrench head easily slips over lines
- Flex Flare nut wrench design exceeds ANSI requirements for strength and durability

Item No.	Description
APX **89100**	5 Piece SAE Set Includes: $^{1}/_{4}$" x $^{5}/_{16}$", $^{3}/_{8}$" x $^{7}/_{16}$", $^{1}/_{2}$" x $^{9}/_{16}$", $^{5}/_{8}$" x $^{11}/_{16}$", $^{3}/_{4}$" x $^{7}/_{8}$" with Tray
APX **89101D**	6 Piece MM Set Includes: 9 x 11mm, 10 x 12mm, 13 x 14mm, 15 x 17mm, 16 x 18mm, 19 x 21mm with Tray

GEARWRENCH



E-TORX® RATCHETING WRENCHES & SETS

Item No.	Description
APX **9224**	4 Piece Set Includes: E6 x E8, E10 x E12, E14 x E18, E20 x E24

Torx® is a registered trademark of CAMCAR, Division of TEXTRON, Inc.

GEARWRENCH

S-SHAPE REVERSIBLE DOUBLE-BOX RATCHETING WRENCHES

- Slim S-Shape design allows for easy access around obstructions
- Off Corner Load Anti-Rounding Design reduces fastener rounding

SAE APX 85399

Item No.	Description
APX **85399**	4 Piece SAE Set Includes: $^{3}/_{8}$" x $^{7}/_{16}$", $^{1}/_{2}$" x $^{9}/_{16}$",$^{5}/_{8}$" x $^{11}/_{16}$", $^{3}/_{4}$" x $^{7}/_{8}$"
APX **85299**	5 Piece SAE Set Includes: 10mm x 12mm, 11mm x 13mm, 14mm x 16mm, 15mm x 17mm, 19mm x 22mm

GEARWRENCH

SAE APX 9062

JUMBO COMBINATION RATCHETING WRENCHES

- Sizes up to 2" and 50mm
- Improved box end strength
- Off Corner Load Anti-Rounding Design reduces fastener rounding
- Ratcheting box-end needs as little as 5° to move a fastener vs. 30° for standard box end wrenches
- Sleek head design enables access to tight spots where a ratchet will not fit

Item No.	Size
APX **9060**	$1^{5}/_{16}$"
APX **9062**	$1^{3}/_{8}$"
APX **9040**	$1^{7}/_{16}$"
APX **9042**	$1^{1}/_{2}$"
APX **9044**	$1^{9}/_{16}$"
APX **9046**	$1^{5}/_{8}$"
APX **9048**	$1^{11}/_{16}$"
APX **9050**	$1^{3}/_{4}$"

Item No.	Size
APX **9052**	$1^{13}/_{16}$"
APX **9054**	$1^{7}/_{8}$"
APX **9056**	2"
APX **9136**	36mm
APX **9141**	41mm
APX **9146**	46mm
APX **9150**	50mm

GEARWRENCH

APX 39327

APX 85206

RATCHETING WRENCH SETS

Item No.	Descriptions
APX **39327**	32 Pc. Standard & Stubby SAE / MET Ratcheting Wrench Set
APX **85206**	14 Pc. Stubby SAE / MET Ratcheting Wrench Set

INDEX

WARNING: Always wear protective eyewear when using hand tools and accessories.

Ratcheting Wrenches & Sets

GEARWRENCH

14 PC. SAE & METRIC FLEX HEAD RATCHETING WRENCH SET

- 72 tooth ratcheting box end needs a minimal 5° to move fasteners vs. 30° for standard wrenches
- Flexible head provides access to hard-to-reach bolts and fasteners
- Manufactured from alloy steel for better strength and longer tool life

APX **85141**

GEARWRENCH

14 PC. SAE & METRIC REVERSIBLE RATCHETING WRENCH SET

- 72 tooth ratcheting box end needs a minimal 5° to move fasteners vs. 30° for standard wrenches
- Flush mounted reversing lever allows you to change direction without removing the wrench
- Manufactured from alloy steel for better strength and longer tool life

APX **85142**

Milwaukee

7 PC. RATCHETING COMBINATION WRENCH SETS

- 2.5° of arc swing
- 144 Ratcheting positions
- Durable double-stacked pawls

Features

- MAX BITE™ open-end grip
- 25% More torque
- Comfortable I-Beam handle design
- Ink-filled size labels
- Organized storage solution

Warranty: Limited Lifetime Warranty

MIL **48-22-9406**

Item No.	Sizes
MIL **48-22-9406**	SAE Includes: (1) 3/8", (1) 7/16", (1) 1/2", (1) 9/16", (1) 5/8", (1) 11/16" and (1) 3/4" Ratcheting Combination Wrench
MIL **48-22-9506**	Metric Includes: (1) 8mm , (1) 10mm , (1) 12mm , (1) 13mm , (1) 14mm , (1) 15mm and (1) 17mm Ratcheting Combination Wrench

CRAFTSMAN

CTM **CMMT12056**

SAE & METRIC RATCHETING COMBINATION WRENCH SETS

Item No.	Description
CTM **CMMT87020**	(7) 3/8" - 3/4"
CTM **CMMT87019**	(7) 8mm - 17mm
CTM **CMMT87022**	(11) 1/4" - 15/16"
CTM **CMMT87021**	(11) 6mm - 19mm

CRAFTSMAN

CTM **CMMT12060**

7 PC. SAE & METRIC LOCKING FLEX REVERSIBLE RATCHETING COMBINATION WRENCH SETS

CTM **CMMT12060** 5/16" - 3/4"
CTM **CMMT12061** 8 - 19mm

CRAFTSMAN

CTM **CMMT12058**

7 PC. SAE & METRIC REVERSIBLE RATCHETING COMBINATION WRENCH SETS

CTM **CMMT12058** 3/8" - 3/4"
CTM **CMMT12059** 10mm - 17mm

CRAFTSMAN

CTM **CMMT12073**

7 PC. SAE & METRIC STUBBY RATCHETING COMBINATION WRENCH SETS

CTM **CMMT87025** 10mm - 18mm
CTM **CMMT87026** 3/8" - 3/4"

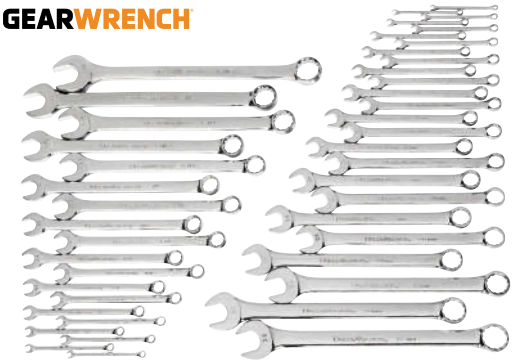
WARNING: Always wear protective eyewear when using hand tools and accessories.

CRAFTSMAN

2 PC. SAE & METRIC RATCHETING BOX WRENCH SETS

Item No.	Description
CTM **CMMT12073**	(1) 5/16" x 3/8" and 7/16" x 1/2" Quad Box (4-in-1) Ratcheting Wrench; (1) 9/16" x 5/8" and 11/16" x 3/4" Quad Box (4-in-1) Ratcheting Wrench
CTM **CMMT12074**	(1) 8 x 10mm and 12 x 13mm Quad Box (4-in-1) Ratcheting Wrench; 16 x 17mm and 18 x 19mm Quad Box (4-in-1) Ratcheting Wrench

GEARWRENCH



44 PC. 12 PT. SAE/METRIC LONG PATTERN COMBINATION WRENCH SET

The GEARWRENCH® combination wrenches are durable tools for most jobs. They are made from alloy steel with either a full polish or satin finish that resists rust & corrosion. The off-corner loading design on both ends provides a stronger grip on fasteners, reduces fastener rounding, and delivers up to 25% more torque to the fasteners. Sizes are stamped on the beam for quick, easy, & permanent identification. The box end is offset 15° for increased access to fasteners. Available in stubby & long pattern lengths and 6 & 12 point, the GEARWRENCH combination wrenches are a must have for every toolbox.

- 15° offset for better access in tight spaces
- Off-corner loading design on box end provides better grip and reduces fastener rounding
- Long pattern beam length for improved reach, leverage and torque
- Hard stamped size marking
- Manufactured from alloy steel for better strength and longer tool life
- Bright, full polish chrome finish easily wipes clean and resists corrosion
- Meets or exceeds ASME specifications

Contains: SAE 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4 ", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4", 1 5/16", 1 1/2", **METRIC** 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 25mm, 26mm, 27mm, 28mm, 29mm, 30mm, 32mm

APX **81919**

CRESCENT

10 PC. SAE COMBINATION WRENCH SET

- 1/4" - 3/4" Chrome Vanadium Alloy Wrench Set

APX **CCWS2**

CRESCENT

10 PC. METRIC COMBINATION WRENCH SET

- 8mm - 19mm Chrome Vanadium Alloy Wrench Set

APX **CCWS3**

CRAFTSMAN

32 PC. LARGE SAE/METRIC COMBINATION WRENCH SET

32 pc. Large SAE/Metric Combination Wrench Set

Includes: Miniature Combo Wrenches - 5mm - 9mm, Combo Wrenches - 10mm - 22mm (5) Miniature Combo Wrenches SAE- 1/4" - 7/16", and Combo Wrenches SAE - 1/2" - 1 1/8"

CTM **CMMT12080**

CRAFTSMAN

CTM **CMMT12054**

SAE & METRIC COMBINATION WRENCH SETS

SAE/Metric Combination Wrench Set offers a number of applications from the standard bolt turning to working on specific automotive repairs.

Item No.	Description
CTM **CMMT12054**	(5) Jumbo Wrenches 1" - 1 5/16"
CTM **CMMT12055**	(5) Jumbo Wrenches 23 - 30mm
CTM **CMMT12066**	(15) Combo Wrenches 8mm - 22mm
CTM **CMMT12067**	(15) Combo Wrenches 1/4" - 1 1/16"
CTM **CMMT87014**	(11) Long Panel Gunmetal Chrome Wrenches 1/4" - 7/8"
CTM **CMMT87013**	(11) Long Panel Gunmetal Chrome Wrenches 8mm - 21mm
CTM **CMMT87015**	(7) Combo Wrenches 10mm - 19mm
CTM **CMMT87016**	(7) Combo Wrenches SAE - 3/8" - 3/4"

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE® COMBINATION WRENCHES

Carlyle professional combination wrenches are designed to be the technician's first choice for getting the job done and are backed by NAPA's commitment to detail and quality from the top to bottom. Each wrench is constructed from chrome vanadium (CR-V) high alloy steel and produced using a precision hot-forging process with an extra emphasis on special heat treatment to provide maximum strength and durability.

LONG BEAM WRENCHES

Feature an aggressive non-slip design. Up to 20% longer than standard combination wrenches. Extra attention to the details means a lifetime of satisfaction with your investment.

www.carlyletools.com/products/wrenches/combination

CHT **CWLNS112**

CHT **CWL1211M**

SAE MET

12 PT. LONG BEAM FULL POLISH COMBINATION WRENCHES & SETS

Item No.	Size	*CHT* CWL1219M 19 Pc. Set w/Roll-Up Pouch	*CHT* CWL1218 18 Pc. Set w/Roll-Up Pouch	*CHT* CWL1211 11 Pc. Set w/Storage Rack	*CHT* CWL1211M 11 Pc. Set w/Storage Rack	*CHT* CWL1207 7 Pc. Set w/Storage Rack	*CHT* CWL1207M 7 Pc. Set w/Storage Rack
CHT **CWLNS108**	1/4"		•				
CHT **CWLNS110**	5/16"		•				
CHT **CWLNS111**	11/32"		•				
CHT **CWLNS112**	3/8"		•	•		•	
CHT **CWLNS114**	7/16"		•	•		•	
CHT **CWLNS116**	1/2"		•	•		•	
CHT **CWLNS118**	9/16"		•	•		•	
CHT **CWLNS120**	5/8"		•	•		•	
CHT **CWLNS122**	11/16"		•	•		•	
CHT **CWLNS124**	3/4"		•	•		•	
CHT **CWLNS126**	13/16"		•	•			
CHT **CWLNS128**	7/8"		•	•			
CHT **CWLNS130**	15/16"		•	•			
CHT **CWLNS132**	1"		•	•			
CHT **CWLNS134**	1 1/16"		•				
CHT **CWLNS136**	1 1/8"		•				
CHT **CWLNS138**	1 3/16"		•				
CHT **CWLNS140**	1 1/4"		•				
CHT **CWLNS106M**	6mm	•					
CHT **CWLNS107M**	7mm	•					•
CHT **CWLNS108M**	8mm	•					•
CHT **CWLNS109M**	9mm	•			•		•
CHT **CWLNS110M**	10mm	•			•		•
CHT **CWLNS111M**	11mm	•			•		•
CHT **CWLNS112M**	12mm	•			•		•
CHT **CWLNS113M**	13mm	•			•		•
CHT **CWLNS114M**	14mm	•			•		
CHT **CWLNS115M**	15mm	•			•		
CHT **CWLNS116M**	16mm	•			•		
CHT **CWLNS117M**	17mm	•			•		
CHT **CWLNS118M**	18mm	•			•		
CHT **CWLNS119M**	19mm	•			•		
CHT **CWLNS120M**	20mm	•					
CHT **CWLNS121M**	21mm	•					
CHT **CWLNS122M**	22mm	•					
CHT **CWLNS123M**	23mm	•					
CHT **CWLNS124M**	24mm	•					
CHT **CWLNS125M**	25mm						
CHT **CWLNS126M**	26mm						
CHT **CWLNS127M**	27mm						
CHT **CWLNS128M**	28mm						
CHT **CWLNS129M**	29mm						
CHT **CWLNS130M**	30mm						
CHT **CWLNS132M**	32mm						

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **CWFP016**

CHT **CW607**

CHT **CW614**

6 PT. 15° ANGLED FULL POLISH COMBINATION WRENCHES & SETS

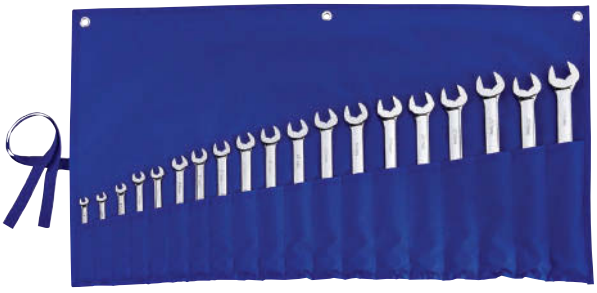
Item No.	Size	*CHT* CW614 14 Pc. Set w/Roll-Up Pouch	*CHT* CW613M 13 Pc. Set w/Roll-Up Pouch	*CHT* CW608M 8 Pc. Set w/Storage Rack	*CHT* CW607 7 Pc. Set w/Storage Rack
CHT **CWFP008**	1/4"	•			
CHT **CWFP010**	5/16"	•			
CHT **CWFP011**	11/32"	•			
CHT **CWFP012**	3/8"	•			•
CHT **CWFP014**	7/16"	•			•
CHT **CWFP016**	1/2"	•			•
CHT **CWFP018**	9/16"	•			•
CHT **CWFP020**	5/8"	•			•
CHT **CWFP022**	11/16"	•			•
CHT **CWFP024**	3/4"	•			•
CHT **CWFP026**	13/16"	•			
CHT **CWFP028**	7/8"	•			
CHT **CWFP030**	15/16"	•			
CHT **CWFP032**	1"	•			
CHT **CWFP034**	1 1/16"				
CHT **CWFP036**	1 1/8"				
CHT **CWFP038**	1 3/16"				
CHT **CWFP040**	1 1/4"				
CHT **CWFP006M**	6mm				
CHT **CWFP007M**	7mm		•		
CHT **CWFP008M**	8mm		•		
CHT **CWFP009M**	9mm		•		
CHT **CWFP010M**	10mm		•	•	
CHT **CWFP011M**	11mm		•	•	
CHT **CWFP012M**	12mm		•	•	
CHT **CWFP013M**	13mm		•	•	
CHT **CWFP014M**	14mm		•	•	
CHT **CWFP015M**	15mm		•	•	
CHT **CWFP016M**	16mm		•	•	
CHT **CWFP017M**	17mm		•	•	
CHT **CWFP018M**	18mm		•		
CHT **CWFP019M**	19mm		•		
CHT **CWFP020M**	20mm				
CHT **CWFP021M**	21mm				
CHT **CWFP022M**	22mm				
CHT **CWFP023M**	23mm				
CHT **CWFP024M**	24mm				
CHT **CWFP025M**	25mm				
CHT **CWFP026M**	26mm				
CHT **CWFP027M**	27mm				
CHT **CWFP028M**	28mm				
CHT **CWFP029M**	29mm				
CHT **CWFP030M**	30mm				
CHT **CWFP032M**	32mm				

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **CWFP112**

CHT **CW1211**



CHT **CW1219M**

12 PT. 15° ANGLED FULL POLISH COMBINATION WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* CW1219M 19 Pc. Set w/Roll-Up Pouch	*CHT* CW1218 18 Pc. Set w/Roll-Up Pouch	*CHT* CW1211 11 Pc. Set w/Storage Rack	*CHT* CW1211M 11 Pc. Set w/Storage Rack	*CHT* CW1207 7 Pc. Set w/Storage Rack	*CHT* CW1207M 7 Pc. Set w/Storage Rack
CHT **CWFP108**	1/4"		•				
CHT **CWFP110**	5/16"		•				
CHT **CWFP111**	11/32"		•				
CHT **CWFP112**	3/8"		•	•		•	
CHT **CWFP114**	7/16"		•	•		•	
CHT **CWFP116**	1/2"		•	•		•	
CHT **CWFP118**	9/16"		•	•		•	
CHT **CWFP120**	5/8"		•	•		•	
CHT **CWFP122**	11/16"		•	•		•	
CHT **CWFP124**	3/4"		•	•		•	
CHT **CWFP126**	13/16"		•	•			
CHT **CWFP128**	7/8"		•	•			
CHT **CWFP130**	15/16"		•	•			
CHT **CWFP132**	1"		•	•			
CHT **CWFP134**	1 1/16"		•				
CHT **CWFP136**	1 1/8"		•				
CHT **CWFP138**	1 3/16"		•				
CHT **CWFP140**	1 1/4"		•				
CHT **CWFP106M**	6mm	•					
CHT **CWFP107M**	7mm	•					•
CHT **CWFP108M**	8mm	•					•
CHT **CWFP109M**	9mm	•			•		•
CHT **CWFP110M**	10mm	•			•		•
CHT **CWFP111M**	11mm	•			•		•
CHT **CWFP112M**	12mm	•			•		•
CHT **CWFP113M**	13mm	•			•		•
CHT **CWFP114M**	14mm	•			•		
CHT **CWFP115M**	15mm	•			•		
CHT **CWFP116M**	16mm	•			•		
CHT **CWFP117M**	17mm	•			•		
CHT **CWFP118M**	18mm	•			•		
CHT **CWFP119M**	19mm	•			•		
CHT **CWFP120M**	20mm	•					
CHT **CWFP121M**	21mm	•					
CHT **CWFP122M**	22mm	•					
CHT **CWFP123M**	23mm	•					
CHT **CWFP124M**	24mm	•					

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Larger "Jumbo" wrenches continued on next page.

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

CHT **CWJ1207**

SAE MET

12 PT. 15° ANGLED FULL POLISH JUMBO COMBINATION WRENCHES & SETS

Item No.	Size	*CHT* **CWJ1207** 7 Pc. Set w/Storage Clip	*CHT* **CWJ1207M** 7 Pc. Set w/Storage Clip
CHT **CWFP142**	15/16"	•	
CHT **CWFP144**	13/8"	•	
CHT **CWFP146**	17/16"		
CHT **CWFP148**	11/2"	•	
CHT **CWFP150**	19/16"		
CHT **CWFP152**	15/8"	•	
CHT **CWFP154**	111/16"		
CHT **CWFP156**	13/4"	•	
CHT **CWFP158**	113/16"		
CHT **CWFP160**	17/8"	•	
CHT **CWFP164**	2"	•	
CHT **CWFP166**	21/16"		
CHT **CWFP168**	21/8"		
CHT **CWFP172**	21/4"		
CHT **CWFP176**	23/8"		
CHT **CWFP180**	21/2"		
CHT **CWFP182**	27/16"		
CHT **CWFP184**	29/16"		
CHT **CWFP125M**	25mm		
CHT **CWFP126M**	26mm		
CHT **CWFP127M**	27mm		
CHT **CWFP128M**	28mm		
CHT **CWFP129M**	29mm		
CHT **CWFP130M**	30mm		
CHT **CWFP132M**	32mm		
CHT **CWFP133M**	33mm		•
CHT **CWFP134M**	34mm		•
CHT **CWFP135M**	35mm		
CHT **CWFP136M**	36mm		•
CHT **CWFP138M**	38mm		
CHT **CWFP140M**	40mm		•
CHT **CWFP141M**	41mm		
CHT **CWFP142M**	42mm		•
CHT **CWFP143M**	43mm		
CHT **CWFP145M**	45mm		
CHT **CWFP146M**	46mm		•
CHT **CWFP148M**	48mm		
CHT **CWFP150M**	50mm		•
CHT **CWFP155M**	55mm		
CHT **CWFP160M**	60mm		
CHT **CWFP165M**	65mm		

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT™

BK **774-0217**

BK **774-0209**

SAE *BK* **774-2314**

MET *BK* **774-2415**

12 PT. ULTRA-FINISH COMBINATION WRENCHES & SETS

Item No.	Size	*BK* 774-0217 14 Pc. Set w/Roll-Up Pouch	*BK* 774-0218 14 Pc. Set w/Roll-Up Pouch	*BK* 774-0210 11 Pc. Set w/Storage Rack	*BK* 774-0211 11 Pc. Set w/Storage Rack	*BK* 774-0208 7 Pc. Set w/Storage Rack	*BK* 774-0209 7 Pc. Set w/Storage Rack
BK **774-2308**	1/4"			•			
BK **774-2310**	5/16"			•			
BK **774-2312**	3/8"	•		•		•	
BK **774-2314**	7/16"	•		•		•	
BK **774-2316**	1/2"	•		•		•	
BK **774-2318**	9/16"	•		•		•	
BK **774-2320**	5/8"	•		•		•	
BK **774-2322**	11/16"	•		•		•	
BK **774-2324**	3/4"	•		•		•	
BK **774-2326**	13/16"	•		•			
BK **774-2328**	7/8"	•		•			
BK **774-2330**	15/16"	•					
BK **774-2332**	1"	•					
BK **774-2334**	1 1/16"	•					
BK **774-2336**	1 1/8"	•					
BK **774-2340**	1 1/4"	•					
BK **774-2406**	6mm						
BK **774-2407**	7mm						
BK **774-2408**	8mm						
BK **774-2409**	9mm		•		•		•
BK **774-2410**	10mm		•		•		•
BK **774-2411**	11mm		•		•		
BK **774-2412**	12mm		•		•		•
BK **774-2413**	13mm		•		•		•
BK **774-2414**	14mm		•		•		•
BK **774-2415**	15mm		•		•		•
BK **774-2416**	16mm		•		•		
BK **774-2417**	17mm		•		•		•
BK **774-2418**	18mm		•		•		
BK **774-2419**	19mm		•		•		
BK **774-2421**	21mm		•				
BK **774-2422**	22mm		•				
BK **774-2424**	24mm		•				
BK **774-2425**	25mm						
BK **774-2427**	27mm						
BK **774-2429**	29mm						

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Larger "Jumbo" wrenches continued on next page.

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT™

EVERCRAFT® WRENCHES

- CR-V constructed
- Standard length wrenches
- Mirror polish up to 15/16"
- Raised panel jumbo sizes
- Chrome plated
- 12 point wrenches available

BK **774-0212** SAE

12 PT. JUMBO COMBINATION WRENCHES & SETS

Item No.	Size	*BK* 774-0212 7 Pc. Set w/HD Metal Clip	*BK* 774-0213 7 Pc. Set w/HD Metal Clip
BK **774-2342**	15/16"	•	
BK **774-2344**	13/8"	•	
BK **774-2348**	11/2"	•	
BK **774-2352**	15/8"	•	
BK **774-2356**	13/4"	•	
BK **774-2360**	17/8"	•	
BK **774-2364**	2"	•	
BK **774-2372**	21/4"		
BK **774-2380**	21/2"		
BK **774-2430**	30mm		
BK **774-2432**	32mm		
BK **774-2433**	33mm		•
BK **774-2434**	34mm		•
BK **774-2436**	36mm		•
BK **774-2440**	40mm		•
BK **774-2442**	42mm		•
BK **774-2446**	46mm		•
BK **774-2450**	50mm		•

EVERCRAFT™

32 PC. SAE & METRIC WRENCH SET

This wrench set is mirror polished chrome vanadium steel for strength and durability.

- SAE: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".
- SAE Stubby: 1/4", 3/8", 7/16", 1/2", 9/16" and 5/8".
- Metric: 6, 7, 8, 9, 10, 12, 13, 15, 17 and 18mm
- Metric Stubby: 10, 11, 12, 13, 14 and 15mm

BK **774-0011**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **CWFPS118**

CHT **CWFPS118M**

CHT **CWS1212**

12 PT. 15° ANGLED FULL POLISH STUBBY COMBINATION WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* CWS1212 12 Pc. Set w/Storage Tray	*CHT* CWS1210M 10 Pc. Set w/Storage Tray
CHT **CWFPS110**	5/16"	•	
CHT **CWFPS112**	3/8"	•	
CHT **CWFPS114**	7/16"	•	
CHT **CWFPS116**	1/2"	•	
CHT **CWFPS118**	9/16"	•	
CHT **CWFPS120**	5/8"	•	
CHT **CWFPS122**	11/16"	•	
CHT **CWFPS124**	3/4"	•	
CHT **CWFPS126**	13/16"	•	
CHT **CWFPS128**	7/8"	•	
CHT **CWFPS130**	15/16"	•	
CHT **CWFPS132**	1"	•	
CHT **CWFPS108M**	8mm		
CHT **CWFPS109M**	9mm		
CHT **CWFPS110M**	10mm		•
CHT **CWFPS111M**	11mm		•
CHT **CWFPS112M**	12mm		•
CHT **CWFPS113M**	13mm		•
CHT **CWFPS114M**	14mm		•
CHT **CWFPS115M**	15mm		•
CHT **CWFPS116M**	16mm		•
CHT **CWFPS117M**	17mm		•
CHT **CWFPS118M**	18mm		•
CHT **CWFPS119M**	19mm		•
CHT **CWFPS120M**	20mm		
CHT **CWFPS121M**	21mm		
CHT **CWFPS122M**	22mm		
CHT **CWFPS123M**	23mm		
CHT **CWFPS124M**	24mm		
CHT **CWFPS125M**	25mm		
CHT **CWFPS126M**	26mm		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CHT **SW114**

CHT **SW110M**

CHT **SW1212M**

SAE MET

12 PT. 180° SWIVEL SOCKET WRENCHES & SETS

Item No.	Size	*CHT* SW1212M 12 Pc. Set w/Storage Tray	*CHT* SW1211 11 Pc. Set w/Storage Tray
CHT **SW108**	1/4"		•
CHT **SW110**	5/16"		•
CHT **SW112**	3/8"		•
CHT **SW114**	7/16"		•
CHT **SW116**	1/2"		•
CHT **SW118**	9/16"		•
CHT **SW120**	5/8"		•
CHT **SW122**	11/16"		•
CHT **SW124**	3/4"		•
CHT **SW126**	13/16"		•
CHT **SW128**	7/8"		•
CHT **SW108M**	8mm	•	
CHT **SW109M**	9mm	•	
CHT **SW110M**	10mm	•	
CHT **SW111M**	11mm	•	
CHT **SW112M**	12mm	•	
CHT **SW113M**	13mm	•	
CHT **SW114M**	14mm	•	
CHT **SW115M**	15mm	•	
CHT **SW116M**	16mm	•	
CHT **SW117M**	17mm	•	
CHT **SW118M**	18mm	•	
CHT **SW119M**	19mm	•	

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

CHT **CF3812**

CHT **CF10**

CHT **CF10M**

3/8 IN. DR. CROWSFOOT WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* CF10 10 Pc. Set w/Storage Rail	*CHT* CF10M 10 Pc. Set w/Storage Rail
CHT **CF3812**	3/8"	•	
CHT **CF3814**	7/16"	•	
CHT **CF3816**	1/2"	•	
CHT **CF3818**	9/16"	•	
CHT **CF3820**	5/8"	•	
CHT **CF3822**	11/16"	•	
CHT **CF3824**	3/4"	•	
CHT **CF3826**	13/16"	•	
CHT **CF3828**	7/8"	•	
CHT **CF3832**	1"	•	
CHT **CF3810M**	10mm		•
CHT **CF3811M**	11mm		•
CHT **CF3812M**	12mm		•
CHT **CF3813M**	13mm		•
CHT **CF3814M**	14mm		•
CHT **CF3815M**	15mm		•
CHT **CF3816M**	16mm		•
CHT **CF3817M**	17mm		•
CHT **CF3818M**	18mm		•
CHT **CF3819M**	19mm		•
CHT **CF3821M**	21mm		
CHT **CF3822M**	22mm		

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **FNCF3816**

CHT **FNCF11**

CHT **FNCF10M**

3/8 IN. DR. 6 PT. FLARENUT CROWSFOOT WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* FNCF11 11 Pc. Set w/Storage Rail	*CHT* FNCF10M 10 Pc. Set w/Storage Rail
CHT **FNCF3812**	3/8"	•	
CHT **FNCF3814**	7/16"	•	
CHT **FNCF3816**	1/2"	•	
CHT **FNCF3818**	9/16"	•	
CHT **FNCF3820**	5/8"	•	
CHT **FNCF3822**	11/16"	•	
CHT **FNCF3824**	3/4"	•	
CHT **FNCF3826**	13/16"	•	
CHT **FNCF3828**	7/8"	•	
CHT **FNCF3830**	15/16"	•	
CHT **FNCF3832**	1"	•	
CHT **FNCF3810M**	10mm		•
CHT **FNCF3811M**	11mm		•
CHT **FNCF3812M**	12mm		•
CHT **FNCF3813M**	13mm		•
CHT **FNCF3814M**	14mm		•
CHT **FNCF3815M**	15mm		•
CHT **FNCF3816M**	16mm		•
CHT **FNCF3817M**	17mm		•
CHT **FNCF3818M**	18mm		•
CHT **FNCF3819M**	19mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. DELUXE CROWSFOOT WRENCH SETS

SAE MET

Polished for corrosion resistance and long life.

Size	*BK* 774-0125 8 Pc. Set	*BK* 774-0126 10 Pc. Set
3/8"	•	
7/16"	•	
1/2"	•	
9/16"	•	
5/8"	•	
11/16"	•	
3/4"	•	
7/8"	•	
10mm		•
11mm		•
12mm		•
13mm		•
14mm		•
15mm		•
16mm		•
17mm		•
18mm		•
19mm		•

EVERCRAFT

BK **774-0125**

BK **774-0126**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Specialty Wrenches & Sets

CARLYLE TOOLS by NAPA

CHT **FNW810**

CHT **FNW1012M**

CHT **FNW5M**

6 PT. 15° OFF-SET FLARENUT WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* FNW5 5 Pc. Set w/Storage Rack	*CHT* FNW5M 5 Pc. Set w/Storage Rack
CHT **FNW810**	1/4" x 5/16"	•	
CHT **FNW1214**	3/8" x 7/16"	•	
CHT **FNW1618**	1/2" x 9/16"	•	
CHT **FNW2022**	5/8" x 11/16"	•	
CHT **FNW2428**	3/4" x 7/8"	•	
CHT **FNW911M**	9mm x 11mm		•
CHT **FNW1012M**	10mm x 12mm		•
CHT **FNW1314M**	13mm x 14mm		•
CHT **FNW1517M**	15mm x 17mm		•
CHT **FNW1618M**	16mm x 18mm		•
CHT **FNW1921M**	19mm x 21mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

BK **774-2501**

BK **774-2504**

BK **774-0215**

6 PT. FLARENUT WRENCHES & SETS

SAE MET

Item No.	Size	*BK* 774-0215 3 Pc. Set w/Storage Rack	*BK* 774-0216 3 Pc. Set w/Storage Rack
BK **774-2501**	3/8" x 7/16"	•	
BK **774-2502**	1/2" x 9/16"	•	
BK **774-2503**	5/8" x 11/16"	•	
BK **774-2504**	9 x 11mm		•
BK **774-2505**	10 x 12mm		•
BK **774-2506**	13 x 14mm.		•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **HMW1012**

CHT **HMWS5**

CHT **HMW1012M**

12 PT. HALF MOON WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* HMWS5 5 Pc. Set w/Storage Tray	*CHT* HMWS5M 5 Pc. Set w/Storage Tray
CHT **HMW1012**	5/16" x 3/8"		
CHT **HMW1416**	7/16" x 1/2"	•	
CHT **HMW1820**	9/16" x 5/8"	•	
CHT **HMW2024**	5/8" x 3/4"	•	
CHT **HMW2226**	11/16" x 13/16"	•	
CHT **HMW2830**	7/8" x 15/16"	•	
CHT **HMW1012M**	10mm x 12mm		•
CHT **HMW1113M**	11mm x 13mm		•
CHT **HMW1417M**	14mm x 17mm		•
CHT **HMW1519M**	15mm x 19mm		•
CHT **HMW1821M**	18mm x 21mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **LBOW1214**

CHT **LBOW1214M**

CHT **LBOW6**

12 PT. 45° OFF-SET LONG BOX END WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* LBOW6 6 Pc. Set w/Storage Rack	*CHT* LBOW5M 5 Pc. Set w/Storage Rack
CHT **LBOW810**	1/4" x 5/16"	•	
CHT **LBOW1214**	3/8" x 7/16"	•	
CHT **LBOW1618**	1/2" x 9/16"	•	
CHT **LBOW2022**	5/8" x 11/16"	•	
CHT **LBOW2428**	3/4" x 7/8"	•	
CHT **LBOW2630**	13/16" x 15/16"	•	
CHT **LBOW1011M**	10mm x 11mm		•
CHT **LBOW1214M**	12mm x 14mm		•
CHT **LBOW1315M**	13mm x 15mm		•
CHT **LBOW1618M**	16mm x 18mm		•
CHT **LBOW1719M**	17mm x 19mm		•
CHT **LBOW2021M**	20mm x 21mm		
CHT **LBOW2224M**	22mm x 24mm		

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **ADOW7M**

SAE MET

30° & 60° ANGLED OPEN END WRENCHES & SETS

- With one size opening per wrench, two open head angles allow for greater access in tight areas
- High polish chrome plating for corrosion resistance
- Includes storage pouch

Item No.	Size	*CHT* ADOW8 7 Pc. SAE Set	*CHT* ADOW7M 7 Pc. Metric Set
CHT **ADOW12**	3/8"	•	
CHT **ADOW14**	7/16"	•	
CHT **ADOW16**	1/2"	•	
CHT **ADOW18**	9/16"	•	
CHT **ADOW20**	5/8"	•	
CHT **ADOW22**	11/16"	•	
CHT **ADOW24**	3/4"	•	
CHT **ADOW10M**	10mm		•
CHT **ADOW11M**	11mm		•
CHT **ADOW12M**	12mm		•
CHT **ADOW13M**	13mm		•
CHT **ADOW14M**	14mm		•
CHT **ADOW15M**	15mm		•
CHT **ADOW17M**	17mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **LTSW7**

SAE MET

SLIMLINE DOUBLE OPEN END WRENCHES & SETS

Item No.	Size	*CHT* LTSW7 7 Pc. Set	*CHT* LTSW9M 9 Pc. Set
CHT **LTSW1214**	3/8" x 7/16"	•	
CHT **LTSW1618**	1/2" x 9/16"	•	
CHT **LTSW2022**	5/8" x 11/16"	•	
CHT **LTSW2426**	3/4" x 13/16"	•	
CHT **LTSW2830**	7/8" 15/16"	•	
CHT **LTSW3234**	1" x 1 1/16"	•	
CHT **LTSW3640**	1 1/8" x 1 1/4"	•	
CHT **LTSW89M**	8mm x 9mm		•
CHT **LTSW1011M**	10mm x 11mm		•
CHT **LTSW1213M**	12mm x.13mm		•
CHT **LTSW1415M**	14mm X 15mm		•
CHT **LTSW1617M**	16mm x 17mm		•
CHT **LTSW1819M**	18mm x 19mm		•
CHT **LTSW2021M**	20mm x 21mm		•
CHT **LTSW2427M**	24mm x 27mm		•
CHT **LTSW3032M**	20mm x 32mm		•

DOUBLE STAR BOX END WRENCHES AND SET

- Long shafted wrench designed to give more control and versatility for fastener control.
- Set includes storage tray with color card
- Star box end with 0° offset for more control in tight areas
- Polished chrome

Item No.	Size	*CHT* DSBEWS5 5 Pc. Set
CHT **DSBEW67M**	E6-E7	•
CHT **DSBEW810M**	E8-E10	•
CHT **DSBEW1112M**	E11-E12	•
CHT **DSBEW1416M**	E14-E16	•
CHT **DSBEW1820M**	E18-E20	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAE MET

CHT **LBW810**

CHT **LBW1213M**

CHT **LBW6**

12 PT. 15° OFF-SET LONG BOX END WRENCHES & SETS

Item No.	Size	*CHT* LBW6 6 Pc. Set w/Storage Rack	*CHT* LBW5M 5 Pc. Set w/Storage Rack
CHT **LBW810**	1/4" x 5/16"	•	
CHT **LBW1214**	3/8" x 7/16"	•	
CHT **LBW1618**	1/2" x 9/16"	•	
CHT **LBW2022**	5/8" x 11/16"	•	
CHT **LBW2428**	3/4" x 7/8"	•	
CHT **LBW2630**	13/16" x 15/16"	•	
CHT **LBW3032**	15/16" x 1"		
CHT **LBW89M**	8mm x 9mm		
CHT **LBW1011M**	10mm x 11mm		•
CHT **LBW1213M**	12mm x 13mm		•
CHT **LBW1415M**	14mm x 15mm		•
CHT **LBW1618M**	16mm x 18mm		•
CHT **LBW1719M**	17mm x 19mm		•
CHT **LBW2022M**	20mm x 22mm		
CHT **LBW2123M**	21mm x 23mm		
CHT **LBW2426M**	24mm x 26mm		
CHT **LBW2528M**	25mm x 28mm		
CHT **LBW2730M**	27mm x 30mm		

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Specialty Wrenches & Sets

CHT **LDBZW1416**

CHT **LDBZW1417M**

CHT **LDBZW5S**

SAE MET

12 PT. 0° OFF-SET DOUBLE BOX END WRENCHES & SETS

Item No.	Size	*CHT* LDBZW5S 5 Pc. Set w/Storage Rack	*CHT* LDBZW4 4 Pc. Set w/Storage Rack
CHT **LDBZW1012**	5/16" x 3/8"		•
CHT **LDBZW1416**	7/16" x 1/2"		•
CHT **LDBZW1820**	9/16" x 5/8"		•
CHT **LDBZW2224**	11/16" x 3/4"		•
CHT **LDBZW2426**	13/16" x 7/8"		
CHT **LDBZW810M**	8 x 10 mm	•	
CHT **LDBZW1012M**	10 x 12mm		
CHT **LDBZW1113M**	11 x 13mm		
CHT **LDBZW1214M**	12 x 14 mm	•	
CHT **LDBZW1314M**	13 x 14mm		
CHT **LDBZW1315M**	13 x 15mm		
CHT **LDBZW1417M**	14 x 17mm		
CHT **LDBZW1618M**	16 x 18 mm	•	
CHT **LDBZW1719M**	17 x19 mm	•	
CHT **LDBZW1921M**	19 x 21mm		
CHT **LDBZW1922M**	19 x 22mm		
CHT **LDBZW2022M**	20 x 22mm		
CHT **LDBZW2123M**	21 x 23mm		
CHT **LDBZW2224M**	22 x 24 mm	•	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE® 4 PC. SOFTJAW WRENCH SET

Heavy-duty chrome vanadium wrenches with replaceable softjaw inserts. Can be used to tension anodized fittings without damage.

- Set of 4 SAE SoftJaw wrenches
- AN Sizes 3, 4, 6, 8, 10, 12, 16 and 20

SER **71700**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

12 PT. BOX END STRIKING WRENCHES

Wrenches for applications that require striking to free or tighten fasteners. Typically used in mining, oil, gas and ship maintenance.

CHT **BESW134** SAE MET

Item No.	Size
SAE	
CHT **BESW134**	1 1/16"
CHT **BESW136**	1 1/8"
CHT **BESW140**	1 1/4"
CHT **BESW144**	1 3/8"
CHT **BESW146**	1 7/16"
CHT **BESW148**	1 1/2"
CHT **BESW152**	1 5/8"
CHT **BESW156**	1 3/4"
CHT **BESW158**	1 13/16"
CHT **BESW160**	1 7/8"
CHT **BESW164**	2"
CHT **BESW166**	2 1/16"
CHT **BESW168**	2 1/8"
CHT **BESW170**	2 3/16"
CHT **BESW172**	2 1/4"
CHT **BESW176**	2 3/8"
CHT **BESW180**	2 1/2"
CHT **BESW182**	2 9/16"
CHT **BESW184**	2 5/8"
CHT **BESW186**	2 3/4"

Item No.	Size
CHT **BESW192**	2 15/16"
CHT **BESW194**	3"
METRIC	
CHT **BESW22M**	22mm
CHT **BESW24M**	24mm
CHT **BESW27M**	27mm
CHT **BESW30M**	30mm
CHT **BESW32M**	32mm
CHT **BESW34M**	34mm
CHT **BESW36M**	36mm
CHT **BESW38M**	38mm
CHT **BESW41M**	41mm
CHT **BESW42M**	42mm
CHT **BESW46M**	46mm
CHT **BESW50M**	50mm
CHT **BESW55M**	55mm
CHT **BESW60M**	60mm
CHT **BESW65M**	65mm
CHT **BESW70M**	70mm
CHT **BESW75M**	75mm

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CHT **OESW22M** MET

OPEN END STRIKING WRENCHES

Wrenches for applications that require striking to free or tighten fasteners. Typically used in mining, oil, gas and ship maintenance.

Item No.	Size
CHT **OESW22M**	22mm
CHT **OESW24M**	24mm
CHT **OESW27M**	27mm
CHT **OESW30M**	30mm
CHT **OESW32M**	32mm
CHT **OESW34M**	34mm
CHT **OESW36M**	36mm
CHT **OESW38M**	38mm
CHT **OESW41M**	41mm

Item No.	Size
CHT **OESW42M**	42mm
CHT **OESW46M**	46mm
CHT **OESW50M**	50mm
CHT **OESW55M**	55mm
CHT **OESW60M**	60mm
CHT **OESW65M**	65mm
CHT **OESW70M**	70mm
CHT **OESW75M**	75mm

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

4 PC. HOOK TYPE SPANNER WRENCH SET

Carlyle® spanner wrench set is constructed from high quality steel and is used to tighten side slot nuts on collars, lock nuts and bearings.

- Hook type
- Forged, heat-treated
- Black oxide finish
- Flexible head movement

Item No.	Grit	CHT SWSH4 4 Piece Set
CHT **SWH1**	3/4" – 2"	•
CHT **SWH2**	1 1/4" – 3"	•
CHT **SWH3**	2" – 4 3/4"	•
CHT **SWH4**	4 1/2" – 6 1/4"	•

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

4 PC. PIN TYPE SPANNER WRENCH SET

Carlyle® spanner wrench set is constructed from high quality steel and is used to tighten side slot nuts on collars, lock nuts and bearings.

- Pin type
- Forged, heat-treated
- Black oxide finish
- Flexible head movement

Item No.	Grit	CHT SWSP4 4 Piece Set
CHT **SWP1**	3/4" – 2"	•
CHT **SWP2**	1 1/4" – 3"	•
CHT **SWP3**	2" – 4 3/4"	•
CHT **SWP4**	4 1/2" – 6 1/4"	•

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

DUAL-ACTION QUICK WRENCH

Carlyle Tools dual-action quick wrench can remove up to70% rounded bolt heads.

- Dual end wrench
- 8 – 17mm, 14-32mm
- Rapid action self-adjusting allows for quick operation
- Fits square, hex, spline, star and other bolt head types
- Flexible head movement
- Chrome Molybdenum Steel

CHT **SAQW105**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

INDUSTRIAL PATENTED ADJUSTABLE WRENCHES

- Strong, precisely knurled adjuster with subtle chamfering for easier turning and no sharp edges
- Non-protruding movable jaw end and thin upper head for use in tight spaces
- Made with CR-V steel for maximum power and dependability
- Laser etched size index on tool's side for quick identification, SAE and Metric
- Ergonomic grip handle is 60% thicker than regular wrenches for better functionality

Item No.	Length	Jaw Opening
CHT **AW4**	4"	5/8"
CHT **AW6**	6"	15/16"
CHT **AW8**	8"	1 1/8"
CHT **AW10**	10"	1 3/8"
CHT **AW12**	12"	1 1/2"
CHT **AW15**	15"	1 7/8"
CHT **AW18**	18"	2 5/16
CHT **AW24**	24"	2 3/4"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

VG **2078610**

ADJUSTABLE WRENCHES

- Inch and metric scales
- Extra-wide jaw capacity

Item No.	Description	Size	Jaw Length
VG **2078606**	6" Adjustable Wrench	6/150mm	1"
VG **2078608**	8" Adjustable Wrench	8/200mm	1 1/8"
VG **2078610**	10" Adjustable Wrench	10/250mm	1 1/4"
VG **2078612**	12" Adjustable Wrench	12/300mm	1 1/2"

WARNING: Always wear protective eyewear when using hand tools and accessories.

Adjustable Wrenches

CRAFTSMAN

2 PC. ALL STEEL WRENCH SET

2 pc. All Steel Wrench Set offers a number of applications from the standard bolt turning to working on specific automotive repairs.
Includes: (2) All Steel Adjustable Wrenches
CTM **CMMT12002**

CRAFTSMAN

ALL STEEL ADJUSTABLE WRENCHES

Adjustable wrenches are a must-have for any toolbox. These adjustable wrenches have an all steel I-beam construction for durability and comfort when applying torque to break those stubborn bolts free.

Item No.	Size
CTM **CMMT81621**	6"
CTM **CMMT81622**	8"
CTM **CMMT81623**	10"
CTM **CMMT81624**	12"
CTM **CMMT81625**	15"
CTM **CMMT81626**	18"

CTM **CMMT81621**

CRAFTSMAN

12 IN. REVERSIBLE JAW ADJUSTABLE WRENCH

Adjustable wrenches are a must-have for any toolbox. These adjustable wrenches have an all steel I-beam construction for durability and comfort when applying torque to break those stubborn bolts free.
CTM **CMMT82339**

EVERCRAFT

4 PC. ADJUSTABLE WRENCH SET

Precision made, forged and heat-treated steel design for added strength and performance. Meets and exceeds ANSI for strength and performance. Forged alloy steel. Contains (1) 6" L, (1) 8" L, (1) 10" L and (1) 12" L Wrenches.
BK **774-4013**

EVERCRAFT

3 PC. ADJUSTABLE WRENCH SET

- Chrome-plated and polished
- Chrome vanadium steel for strength and durability
- 6 in., 8 in., and 10 in. adjustable wrenches included

BK **774-0233**

EVERCRAFT

ADJUSTABLE WRENCHES

Evercraft® adjustable wrenches are heat-treated and constructed of forged steel for added life. Meets and exceeds ANSI for strength and performance. Full lifetime guarantee.

Item No.	Length
BK **774-4004**	4"
BK **774-4006**	6"
BK **774-4008**	8"
BK **774-4010**	10"
BK **774-4012**	12"
BK **774-4015**	15"
BK **774-4018**	18"
BK **774-4024**	24"

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

QUICK-ADJUSTING PIPE WRENCH

- One-handed operation enhances user's speed and convenience
- 40% lighter than standard 14" cast iron pipe wrenches
- Ratchets quickly to work surface
- Smooth release upon job completion
- Broached teeth are ideal for most surfaces including black, galvanized, PVC and copper pipe, as well as nuts, bolts and couplings

VG **274001SM**

CARLYLE TOOLS by NAPA

STEEL 9 PT. PIPE WRENCHES

Heavy-duty wrenches feature heat-treated handles and CR-V jaws. Precision-milled for positive pipe grip. Limited-Lifetime Warranty.

Item No.	Length
BK **77-1008**	8"
BK **77-1010**	10"
BK **77-1012**	12"
BK **77-1014**	14"
BK **77-1018**	18"
BK **77-1024**	24"

WARNING: Always wear protective eyewear when using hand tools and accessories.

ALUMINUM PIPE WRENCHES

Nearly 40% lighter than comparable cast-iron models of the same size.

Item No.	Length
BK **77-1110**	10"
BK **77-1114**	14"
BK **77-1118**	18"
BK **77-1124**	24"
BK **77-1136**	36"
BK **77-1148**	48"

1/2 IN. ADJUSTABLE GLAND NUT WRENCH

Fully adjustable to fit hydraulic cylinders on vehicles with 1" to 3 3/4" diameter gland nuts. Reverses to fit either 1/4" or 7/32" pinholes. Use with 1/2" square drive to loosen the toughest gland nuts.

BK **700-1983**

3/4 IN. ADJUSTABLE GLAND NUT WRENCH

Heavy-duty wrench designed to fit hydraulic cylinders on many farm and construction vehicles. Adjusts to fit gland nuts from 2" to 6" in diameter (pin-to-pin). Reverses to fit 1/4" or 5/16" diameter pinholes. Features a 3/4" square drive for tackling the most stubborn gland nuts.

BK **700-1982**

SERRATED WRENCHES

Install and remove 12-point (triple square) metric socket-head screws by turning with a socket or wrench. They are made from heat-treated alloy steel.

Item No.	Size	Hex Size	Length
SER **2304**	8mm	5/16"	3"
SER **2305**	10mm	1/2"	3 1/4"
SER **2306**	12mm	1/2"	3 3/4"

WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE® NYLON STRAP WRENCH

Carlyle® Tools 35 inch strap wrench is a great addition to any tool box.

- Aluminum I-beam handle for increased strength
- Easily replaceable strap with removable rivets
- For use on plastic or metal pipes and fittings, filters, shafts and irregular shapes
- Non-marring nylon belt prevents scratching and damage to finished surfaces
- 12 in. handle length

SER **77-3440**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

GROOVELOCK PLIERS & SETS

- **Quick Adjustment** – Press-N-Slide button quickly adjusts lower jaw (50% faster)
- **All Purpose Jaw** – Grips onto round, square, hex or flat surfaces and provides tremendous bite
- **Anti-Pinch Design** – Built in handle stop prevents pinching ones hands
- **ProTouch™ Grips** – Molded handles for comfort and improved grip

Item No.	Description	*VG* **2078712** 8 Pc. Set in Kit Bag	*VG* **2078711** 3 Pc. Set in Kit Bag	*VG* **2078710** 3 Pc. Set w/Tray	*VG* **2078710** 2 Pc. Set
VG **4935351**	6" GrooveLock				
VG **2078108**	8" GrooveLock	•	•	•	•
VG **2078110**	10" GrooveLock	•	•	•	•
VG **2078112**	12" GrooveLock	•	•	•	
VG **2078610**	10" Adjustable Wrench	•			
VG **2078208**	8" Lineman's Pliers	•			
VG **2078218**	8" Long Nose Pliers	•			
VG **2078406**	6" Slip Joint Pliers	•			
VG **2078306**	6" Diagonal Cutting Pliers	•			

WARNING: Always wear protective eyewear when using hand tools and accessories.

Pliers

IRWIN VISE-GRIP

4 PC. PRO PLIERS TRAY SET

This 4 pc. tray set brings together some of the most popular Vise-Grip® Pro Pliers. The set is packaged in a durable molded plastic tray designed to slide easily into the drawer of a toolbox! Perfect for home or shop, these professional Pro Pliers come with soft comfort grips.

VG **2078707**

Contents

Item No.	Description
VG **2078306**	6" Diagonal Cutting Pliers
VG **2078218**	8" Long Nose Pliers
VG **2078406**	6" Slip Joint Pliers
VG **2078510**	10" Groove Joint Pliers

CARLYLE TOOLS by NAPA

4 PC. PLIERS SET

CHT **PSA4**

Contents

Item No.	Description
CHT **SJP8**	8" Slip Joint
CHT **GJP10**	10" Groove Joint
CHT **DCPHD7**	7" HD Diagonal Cut
CHT **LNP8**	8" Long Nose

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3 PC. PLIERS SET

CHT **PSA3**

Contents

Item No.	Description
CHT **GJP10**	10" Groove Joint
CHT **DCPHD7**	7" HD Diagonal Cut
CHT **LNP8**	8" Long Nose

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

GEARWRENCH

PITBULL™ PLIER SETS

New GEARWRENCH PitBull™ pliers are cutting and gripping machines. PitBull Auto Bite™ pliers feature one-handed automatic gripping action, so they're perfect for tough work in tight spaces, while PitBull Tongue and Groove pliers have a K9™ jaw that bites hard to grip strong, even when attacking at an angle. If superior cutting's your thing, PitBull cutting pliers deliver big time with 35% less force needed to cut and 50% longer blade life. When it comes to unstoppable gripping and cutting performance, nothing beats GEARWRENCH PitBull pliers.

APX **82203**

APX **82203C**

APX **82203** Four piece Mixed Set, Dipped handles, Includes: APX **82179,** APX **82177,** APX **82172,** APX **82175**

APX **82203C** Four piece Mixed Set, Dual Material handles Includes: APX **82179C,** APX **82177C,** APX **82172C,** APX **82175C**

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT™ PLIERS
- Material — carbon steel
- Finish — chrome plated
- Heat treated cutting edges
- Comfort grip injection molded handles

EVERCRAFT™

6 PC. PLIER SET
BK **774-0300**

Contents

Item No.	Description
BK **774-3016**	6" Slip Joint
BK **774-3017**	8" Slip Joint
BK **774-3018**	7" Linesman
BK **774-3210**	10" Groove Joint
BK **774-3216**	6" Diagonal Cut
BK **774-3317**	6½" Long Nose

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT™

4 PC. PLIER SET
BK **774-0301**

Contents

Item No.	Description
BK **774-3016**	6" Slip Joint
BK **774-3210**	10" Groove Joint
BK **774-3216**	6" Diagonal Cut
BK **774-3317**	6½" Long Nose

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CRAFTSMAN

8 IN. & 10 IN. GROOVE JOINT PLIER SET
- Multi-zone bi-material grips
- Made from drop forged steel
- Precision Machined Jaws: For secure gripping and holding

Includes: 8" and 10" Groove Joint Pliers

CTM **CMHT82547**

EVERCRAFT™

3 PC. GROOVE JOINT PLIERS SET
Evercraft™ 3 piece groove joint pliers make a great addition to any tool collection.
- Chrome nickel steel for strength and durability
- Ergonomic over-molded anti-slip grips
- Adjustable groove joint design for positive non-slip grip
- Hardened precision machined jaws for durability and grip

BK **774-0230**

VG **4935097**

IRWIN. VISE-GRIP®

STRAIGHT JAW GROOVELOCK PLIERS

VG **4935096**

- Expansion of current GrooveLock range into straight jaw
- Consumer preferred straight jaw works on flat, hex and square
- ProTouch™ grips provide comfort and control
- Press and slide button quickly adjusts lower jaw
- Anti-pinch design prevents handles from pinching
- Multi groove ratcheting system for twice the groove positions of the traditional groove joint pliers

Item No.	Description
VG **4935095**	8" Straight Jaw GrooveLock Plier
VG **4935096**	10" Straight Jaw GrooveLock Plier
VG **4935098**	12" Straight Jaw GrooveLock Plier

IRWIN. VISE-GRIP®

VG **2078510**

GROOVE JOINT PLIERS
Right angle teeth grip in all directions for maximum bite.

Item No.	Size in/mm	Capacity	Jaw Positions	Jaw Size	Pipe Nut Size
VG **2078506**	6"/150mm	1"	4	1"	30mm (1.18)
VG **2078508**	8"/200mm	1½"	5	1"	30mm (1.18)
VG **2078510**	10"/250mm	2"	7	2"	50mm (1.96)
VG **2078512**	12"/300mm	2¼"	7	2½"	60mm (2.36)

IRWIN. VISE-GRIP®

STRAIGHT JAW GROOVE JOINT PLIERS

VG **4935321**

- Consumer preferred straight jaw works on flat, hex and square
- ProTouch™ grips provide comfort and control

Item No.	Description
VG **4935321**	10" Straight Jaw Groove Joint Plier
VG **4935322**	12" Straight Jaw Groove Joint Plier

IRWIN. VISE-GRIP®

12 IN. SMOOTH JAW GROOVE JOINT PLIERS
- Smooth jaws help provide damage-free installation to chrome or plated fittings
- Patented GrooveLock™ mechanism for fast and easy adjustment in confined spaces
- Bi-material ergonomic handles provide more comfort and control
- Replaces metric and imperial spanners up to 1½" (38mm) with one convenient tool

VG **IRHT82636**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Pliers

V-JAW GROOVE JOINT PLIERS

Patented locking mechanism allows for one-handed operation to quickly self-adjust and lock on to thick or thin objects without the need to turn a knob.

- V-Jaw design for versatile gripping of round objects
- Maintains parallel jaws for optimal grip
- Black oxide finish resists rust and corrosion
- Dipped handle for comfortable grip
- Twice as fast as standard groove joint pliers

Item No.	Description
CHT **AGVJP8**	8 In. Pliers
CHT **AGVJP10**	10 In. Pliers

ADJUSTABLE JAW PLIERS & SET

Item No.	Length	*CHT* **PSAJ3** 3 Pc. Set w/Tray
CHT **AJP7**	7"	•
CHT **AJP10**	10"	•
CHT **AJP12**	12"	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

GROOVE JOINT PLIERS & SET

Item No.	Length	*CHT* **PSGJ3** 3 Pc. Set w/Tray
CHT **GJP5**	5"	•
CHT **GJP7**	7"	
CHT **GJP10**	10"	•
CHT **GJP12**	12"	•
CHT **GJP16**	16"	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

10 IN. PARROT JAW PLIERS

Carlyle Tools parrot jaw pliers features 2 grooves biting to provide maximum holding power and high stabilization.

- 4 Position adjustable jaw
- 7/8 in. maximum jaw opening width
- PVC dipped handle

CHT **PJP10**

GEARWRENCH

PITBULL AUTOBITE™ PLIERS

True one-handed automatic adjustment and slim design make these pliers perfect for work in cramped, hard-to-reach spaces. Just flip the patented Auto-Bite lever with your thumb and squeeze the handles to fit the jaws securely around any object. Auto-Bite's aggressive tooth design grips tight for maximum turning power then releases just as easily.

- Aggressive angled teeth for increased grip
- More jaw positions for more flexibility, grip comfort and jaw capacity
- Grip Zone handles for non-marring grip
- Ergonomic handles with tether point
- increase overall comfort and safety*
- Slim profile jaws for 40% greater access
- With the Auto-Bite lever engaged, squeeze the handles and the jaw automatically adjust to a strong grip
- Pinch-stop design prevents handle pinching palm or fingers

*Tether Point is only available on Cushion Grip Pliers

APX **82590C**

Item No.	Description	Jaw Postitions	Length	Jaw Length	Jaw Width	Jaw Thickness	Jaw Capacity	Jaw Type	Weight
APX **82590C**	6" Auto-Bite T&G Plier Cushion Grip	14	6.9"	1"	1"	0.25"	1.25"	Straight Jaw	0.4 lbs.
APX **82591C**	8" Auto-Bite T&G Plier Cushion Grip	20	8.7"	1"	1"	0.28"	1.85"	Straight Jaw	0.5 lbs.
APX **82592C**	10" Auto-Bite T&G Plier Cushion Grip	25	10.9"	1.25"	1.3"	0.3"	2.2"	Straight Jaw	0.9 lbs.
APX **82593C**	12" Auto-Bite T&G Plier Cushion Grip	30	12.8"	1.8"	1.8"	0.35"	2.8"	Straight Jaw	1.5 lbs.
APX **82594C**	Four Piece Auto-Bite T&G Plier Cushion Grip Set, Includes: *APX* **82590C**, *APX* **82591C**, *APX* **82592C**, *APX* **82593C**								

CRAFTSMAN

GROOVE JOINT PLIERS

- Multi-scrip bi-material grips
- Made from drop forged steel
- Precision Machined Jaws: for secure gripping and holding
- Corrosion-Resistant Finish

CTM **CMHT81719**

Item No.	Description
CTM **CMHT81719**	8" Groove Joint Pliers
CTM **CMHT81720**	10" Groove Joint Pliers

EVERCRAFT

10 IN. GROOVE JOINT PLIERS

BK **774-3210**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

IRWIN VISE-GRIP

SLIP JOINT PLIERS

Induction hardened cutting edge stays sharp longer. Machined jaws for maximum gripping strength.

VG **2078408**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness
VG **2078406**	6"/150mm	1 1/8"	1 5/32"	7/16"
VG **2078408**	8"/200mm	1 5/16"	1 11/32"	7/16"

CARLYLE TOOLS by NAPA

SLIP JOINT PLIERS & SET

Item No.	Description	*CHT* **PSSJ3** 3 Pc. Set w/Tray
CHT **SJP6**	6" Crosshatch Jaw Design	•
CHT **SJP8**	8" Crosshatch Jaw Design	•
CHT **SJP10**	10" Crosshatch Jaw Design	•
CHT **SJPNG6**	6" Without Grip	
CHT **SJPNG8**	8" Without Grip	

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CRAFTSMAN

SLIP JOINT PLIERS

CTM **CMHT81712**

Corrosion resistant chrome finish provides extra wear and tear coverage. Drop forged steel provides strength and durability for longer life.

Item No.	Description
CTM **CMHT81712**	6" Slip Joint Pliers
CTM **CMHT81713**	8" Slip Joint Pliers

EVERCRAFT

8 IN. SLIP JOINT PLIERS

Item No.	Size
BK **774-3016**	6" Length
BK **774-3018**	8" Length

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

LINESMAN '

Induction hardened cutting edge stays sharp longer. Machined jaws for maximum gripping strength.

VG **2078208**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078208**	8"/200mm	1 15/32"	1 3/16"	9/16"	YES

CARLYLE TOOLS by NAPA

LINESMAN PLIERS

Item No.	Size
CHT **LP7**	7" Length
CHT **LP8**	8" Length

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

7 IN. LINESMAN PLIERS

BK **774-3017**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

DIAGONAL-CUTTING PLIERS

Induction hardened cutting edge stays sharp longer.

VG **2078306**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078306**	6"/150mm	13/16"	27/32"	13/32"	YES
VG **2078307**	7"/175mm	13/16"	1 5/32"	1/2"	YES
VG **2078308**	8"/200mm	7/8"	1 1/8"	3/32"	YES

CARLYLE TOOLS by NAPA

DIAGONAL-CUTTING PLIERS

CHT **DCP11**

Professional grade diagonal cutting pliers feature comfort grip handles, hardened jaws and cutting edges for strength and durability and a clear coat finish for exceptional rust prevention.

Item No.	Description
CHT **DCP5**	5"
CHT **DCP6**	6"
CHT **DCP75**	7 1/2"
CHT **DCPHD7**	7" HD
CHT **DCPB8**	8" Bent
CHT **DCP11**	11" Long Reach

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

6 IN. DIAGONAL PLIERS

6" Diagonal Pliers have a corrosion resistant chrome finish providing extra wear and tear coverage. Drop forged steel provides strength and durability for longer life.

CTM **CMHT81646**

INDEX

WARNING: Always wear protective eyewear when using hand tools and accessories.

Pliers

CRAFTSMAN

8 IN. COMPOUND ACTION DIAGONAL PLIERS

- Increased Cutting Force*: Compound Action Design (*compared to standard cutting pliers)
- Multi-zone bi-material grips
- Cutting edges stay sharper longer
- Made from drop forged steel

CTM **CMHT81718**

EVERCRAFT

6-1/2 IN. DIAGONAL PLIERS

BK **774-3216**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

CABLE CUTTING PLIERS

Cuts up to 3/0 fine standard copper battery cable. Cuts copper & aluminum.

VG **2078328**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078328**	8"/200mm	13/16"	1 1/4"	19/32"	YES

CARLYLE TOOLS by NAPA

8 IN. CABLE CUTTING PLIERS

CHT **CCP8**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

END CUTTING PLIERS

VG **2078318**

Wide throat clearance allows flush cutting of nails and rivets. Induction hardened cutting edge stays sharp longer.

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078318**	8"/200mm	1/2"	1 21/32"	1 1/8"	YES

CARLYLE TOOLS by NAPA

6 IN. END CUTTING PLIERS

CHT **ECP6**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

6 IN. ANGLE PLASTIC CUTTING PLIERS

Flush cuts zip ties.

CHT **PCP6**

IRWIN VISE-GRIP

LONG-NOSE PLIERS

VG **2078216**

Induction hardened cutting edge stays sharp longer. Machined jaws for maximum gripping strength.

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078216**	6"/150mm	1 25/32"	23/32"	7/16"	YES
VG **2078218**	8"/200mm	2 5/16"	1 5/16"	1 5/32"	YES

CARLYLE TOOLS by NAPA

CHT **LNP55**

LONG-NOSE PLIERS

Item No.	Length
CHT **LNP55**	5 1/2"
CHT **LNP65**	6 1/2"
CHT **LNP8**	8"
CHT **LNPB6**	6" Curved

CHT **LNPB6**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CRAFTSMAN

LONG NOSE PLIERS

CTM **CMHT81644**

- Comfort And Control: Multi-zone bi-material grips
- Induction Hardened: Cutting edges stay sharper longer
- Strength And Durability: Drop forged steel
- Corrosion-resistant finish

Item No.	Description
CTM **CMHT81644**	6" Long Nose Pliers
CTM **CMHT81645**	8" Long Nose Pliers

CRAFTSMAN

8 IN. 6-IN-1 LONG NOSE PLIERS

- 6 Tools In 1: Long nose plier, wire stripper, wire cutter, reamer, bolt cutter, spanner
- Multi-zone bi-material grips
- Cutting edges stay sharper longer
- Made from drop forged steel

CTM **CMHT81715**

INDEX

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

BK **774-3317**

BK **774-3206**

LONG-NOSE PLIERS

Item No.	Size
BK **774-3317**	6½"
BK **774-3206**	6" Curved

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

11 IN. LONG-NOSE PLIERS & SET

Item No.	Description	*CHT* **PSLN3** 3 Pc. Set
CHT **LNP11**	Straight	•
CHT **LNP11B45**	45°	•
CHT **LNP11B90**	90°	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **LNP11B90**

CHT **LNP11B45**

CARLYLE TOOLS by NAPA

LONG NOSE PISTOL GRIP PLIERS & SET

- Professional grade set features pliers constructed from chrome-moly material with comfort grip handles, hardened jaws and cutting edges for strength and durability
- Cross-hatch jaw design
- Long, angled handle allows for access in the tightest of workspaces

Item No.	Length	*CHT* **PSLNPG3** 3 Pc. Set
CHT **LNP65PG**	6½"	•
CHT **LNP85PG**	8½"	•
CHT **LNP105PG**	10½"	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

11 IN. LONG-NOSE PLIERS

Long-nose design is ideal for working in tight, difficult areas. Cushioned handles for an easy, comfortable grip.

Item No.	Description
BK **774-3430**	11" Long Nose Pliers
BK **774-3431**	11" Bent Long Nose Pliers, 90°
BK **774-3432**	11" Bent Long Nose Pliers, 15°
BK **774-3433**	11" Bent Long Nose Pliers, 45°

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

10-1/2 IN. FENCING PLIERS

CHT **FP10** 10½"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DUCK BILL WIRING PLIERS

CHT **DBP8** 8"

CARLYLE TOOLS by NAPA

CHT **ISJP6**

CHT **ILNP6**

CHT **IDCP6**

6 IN. INSULATED PLIERS & SET

1,000 Volt AC or 1,500 Volt DC certified to IEC60900. Ergonomic handle design for superior comfort during use. Comes packaged in a plastic holder. Lifetime warranty.

Item No.	Description	*CHT* **IPS4** 4 Pc. Set w/Tray
CHT **ISJP6**	Combination	•
CHT **ILNP6**	Long Nose	•
CHT **IDCP6**	Diagonal Cutting	•
CHT **IWSP6**	Wire Stripping	•

CHT **IWSP6**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **WSCCP**

CHT **WSCCPLN**

WIRE STRIPPER PLIERS & SET

- Comfort non-slip grips
- Hardened cutting edges for strength and durability

Item No.	Size	*CHT* **PSW3** 3 Pc. Set
CHT **WSCCP**	6¾ In. L	•
CHT **WSCCPLN**	8½ In. L. Straight	•
CHT **WSCCPPG**	7.2 In. L. Pistol	•

CHT **WSCCPPG**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Pliers

SELF-ADJUSTING WIRE STRIPPER

This wire stripper automatically adjusts to the diameter of the wire for easy use to strip wires. Comes with crimping ability of both insulated and non-insulated wires.

- Swivel knob micro-adjusts grip pressure for smaller wire
- Wire crimper for .22-10 insulated, 22-14 non-insulated, 7-8 mm ignition terminals
- Wire cutter in handle

CHT **WSCCPSA**

ELECTRICAL WIRE STRIPPER & CRIMPER

This all-purpose electrical tool includes a pliers-type nose, crimper, wire cutter, stripper and bolt cutter. The nose has a serrated jaw to pull, loop and twist wire. The crimper works on 7 and 8mm non-insulated terminals and electrical 22-20 to 22-10 insulated terminals. Wire cutters and strippers at the front strip have wire sizes 22-20 and 22-10. The bolt cutter works on bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32 and 10-24. The tool features comfortable cushion-grip handles.

SER **2162**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

8 IN. WIRE STRIPPER

- Multi-Zone Bi-Material Grips
- Strips & Cuts 10 - 22 AWG.
- Bolt Cutter cuts to size and leaves perfect lead thread
- Crimps insulated, non-insulated terminals

CTM **CMHT81714**

WIRE STRIPPER MAGIC BOX

Evercraft's Wire Stripper Magic Box is designed to strip 6, 8, 10, 12, 14, 16, 18, 20, 22 and 24 AWG solid wire. Plus 8, 10, 12, 14, 16, 18, 20, 22, 24 and 26 AWG STR. Wire and 12/2, 14/2 RG59/RG6 cables. Simple and easy to use, just press and twist the wire to strip. Easy to read markings help guide users.

- Easy debris clean-out
- Plastic case for safety storage
- Precision ground stripping holes
- Won't damage internal conductions

BK **774-0245**

CHT **MPDC5**

CHT **MPLN5**

CHT **MPEC5**

CHT **MPFN5**

MINI PLIERS & SET

Item No.	Description	*CHT* PSM4 4 Pc. Set w/ Tray
CHT **MPDC5**	4½" Diagonal	•
CHT **MPLN5**	5½" Long Nose	•
CHT **MPEC5**	4½" End Cut	•
CHT **MPFN5**	5½" Flat Nose	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

11 IN. HOSE GRIPPING PLIERS & SET

Item No.	Description	*CHT* PSHG3 3 Pc. Set w/ Tray
CHT **HGP11H-10**	5/16" Hose	•
CHT **HGP11H-16**	1/2" Hose	•
CHT **HGP11H-24**	3/4" Hose	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

HOSE PINCH OFF PLIERS AND SET

Pliers designed with self-locking feature that holds after pressure is applied, simply pull plier handles apart to release pressure.

- Patent pending offset design allows more access in hard to reach areas
- Used to seal vacuum hoses, plus other flexible materials
- Black oxide finish with vinyl grip
- 27° Handle Angle
- Self-locking

Part No.	Description	*SER* 1500 3 Pc. Set
SER **1460**	0.75 Pinch Size, 5.8 in. length	•
SER **1470**	1.25 Pinch Size, 9.8 in. length	•
SER **1480**	2.5 Pinch Size, 12.7 in. length	•

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

HOSE PINCH-OFF PLIERS

Squeeze with Ease!

Features

- Ideal for use on radiator hoses, heater hoses, water, air, vacuum and fuel lines
- Made from high carbon heat treated steel for extended life
- Hardened steel pivots for lifetime service
- Extra long cushioned hand grips for comfort and control
- Patented clamping mechanism locks automatically — no screws or levers to set or adjust
- Black oxide coated to resist rust and corrosion

Item No.	Description	Length	Weight
SER **3791**	Mini Hose Pinch-Off Pliers ¾" OD capacity	5.50"	4 oz.
SER **3792**	Hose Pinch-Off Pliers 1 ¼" OD capacity	9.25"	12 oz.
SER **3793**	Hose Pinch-Off Pliers 2 ½" OD capacity	14"	20 oz.

9 IN. SAFETY WIRE TWISTING PLIERS

Heavy-duty crosshatch jaw design improves grip strength and the automatic spring return allows for easy locking.

- Side wire cutter for wire twisting applications
- CR-V material

CHT **SWTP9**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SER **3704**

SER **3703**

2 PC. HOG RING PLIERS & SET

Used for upholstery work on most all Domestic and Foreign cars.

- For installation of hog ring fasteners
- Specially made to grip and mold Hog Rings for closure.
- Spring loaded to hold hog ring in jaws during use.
- Cushion grip handle

Item No.	Description	*SER* **3702 2 Pc. Set**
SER **3703**	Straight Hog Ring Pliers	•
SER **3704**	45° Hog Ring Pliers	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

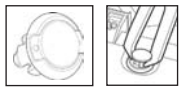
LARGE 16 IN. RETAINING RING PLIERS

Plastic coated handles for better grip. Spring ratchet locking mechanism securely holds against snap ring tension. Straight tip: 12".

Item No.	Description
SER **1485**	Internal. Snap Ring Size 3 1/16" - 6 1/4" (78 - 159mm)
SER **1486**	External. Snap Ring Size 3 1/2" - 6 1/2" (89 - 165mm)

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SER **3888**



SER **3729**

SER **3705**

BODY CLIP PLIERS & SET

Specially designed for removal of push-pins with center locking pin. Quickly removes plastic anchors that have center pins without damage to pins or anchor. Tool lifts the center pin and pulls anchor in one simple set. Anchors common on Honda, Toyota, GM, Ford, Chrysler and many other late model vehicles. Double cushion grip handle. Patent Pending.
V-Shape pliers for removing standard clips without center pins. Features comfort grip handle.

Item No.	Description	*SER* **41850 3 Pc. Set**
SER **3729**	30° Push-Pin Pliers	•
SER **3888**	80° Push-Pin Pliers	•
SER **3705**	V-Shape Panel Clip Pliers	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

BODY CLIP PLIERS

- These specially designed and patented pliers will remove any clip found on trim, bumpers, etc
- Steel levers enclosed in PMS plastic prevents scratches
- Tips have a special angle and size that make them the most versatile tool in the clip removal category
- No need to buy 3 sets of trim clip pliers for different applications. This one does it all
- These clips are found on almost every vehicle, inside and out
- Patented

SER **55**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

WARNING: Always wear protective eyewear when using hand tools and accessories.

Plier & Snap-Ring Pliers

PANEL CLIP PLIERS

These recessed body clip pliers are designed with the ability to remove push-pins and body clips from bumpers and other areas of the vehicle that are recessed or have limited access. Features a long reach with specially designed ends that help pop the clip off without having to twist or pry, damaging the existing clip. Handles are made of glass-filled nylon to prevent scratches. Works on almost any body clip.

SER **56**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

8 IN. DOOR HANDLE PLIERS

Removes door handles, window clips and windshield moldings on most import and domestic cars. Offset handle permits easy access.

BK **776-9036**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SNAP-RING PLIERS UP TO 1 IN. DIAMETER RINGS

Includes five pairs of color-coded precision-group tips and Allen wrench in convenient storage pouch.

Contents

Qty.	Description
2	0.024" red tips
2	0.038" yellow tips
2	0.038" yellow 90° tips
2	0.047" green tips
2	0.047" green 90° tips

Item No.	Description
SER **3150**	For Up to 1.0" diameter rings
SER **3150-77**	Replacement Tip Kit includes: (2).036 straight, (2) .036 90°, (2) 0.47 straight, (2).047 90°, (2).070 straight

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

REVERSIBLE SNAP RING PLIERS

Unique design allows user to switch easily from internal/external operations. Comfortable cushion grips feature storage for spare tips and change tips easily with included hex key. Tips included: 1.8 mm (straight) & 1.2 mm (90°.). Width: 5" Length: 7" Thickness: .9"

BK **776-0018**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SNAP-RING PLIERS UP TO 2 IN. DIAMETER RINGS

Includes five pairs of color-coded precision-group tips and Allen wrench in convenient storage pouch.

Contents

Qty.	Description
2	0.038" red tips
2	0.038" yellow tips
2	0.047" green tips
2	0.047" green 90° tips
2	0.070" copper tips

Item No.	Description
SER **3151**	For up to 2.0" diameter rings
SER **3151-77**	Replacement tip kit includes: (2).023 straight, (2) .036 straight,(2) 0.36 90°, (2).047 straight, (2).047 90°

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

8 PC. SNAP-RING PLIERS SET

Designed for internal or external snap rings. Thumbscrew permits quick conversion. Made of heavy-gauge tempered steel. Includes two stainless steel handled picks. Comes in a blow-molded plastic storage case.

SER **4512X**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

4 PC. 0° FIXED TIP SNAP RING PLIER SET

Snap ring plier works for both internal and external configurations without separating the handles.

- 0 degree tip angle
- Heat treated steel for durability
- Cushioned grip handles for comfort
- Black oxide finish with a vinyl grip
- .038, .047, .070 and .090 inch sizes

SER **3580**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

4 PC. 45° FIXED TIP SNAP RING PLIERS SET

Snap ring plier works for both internal and external configurations without separating the handles.

- Cushioned grip handles for comfort
- 45 degree tip angle
- Heat treated steel for durability
- Black oxide finish with vinyl grip
- .038, .047, .070 and .090 in. sizes

SER **3581**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

4 PC. 90° FIXED TIP SNAP RING PLIERS SET

Snap ring plier works for both internal and external configurations without separating the handles.

- Heat treated steel for durability
- Cushioned grip handles for comfort
- 90 degree tip angle
- Black oxide finish with vinyl grip
- .038, .047, .070 and .090 inch sizes

SER **3582A**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SER **3483**

SER **3485**

SER **3484**

FIXED TIP COMBINATION SNAP-RING PLIERS & SETS

These versatile, heavy-duty pliers are designed for the removal and installation of either internal or external snap-rings on a wide range of applications. Pliers feature a cushion plastisol-dipped dipped handle.

Item No.	Description	*SER* 3495 12 Pc. Set w/Case	*SER* 3497 6 Pc. Set w/Case
SER **3483**	.038" tip, Straight tip angle	•	•
SER **3484**	.038" tip, 45° tip angle	•	
SER **3485**	.038" tip, 90° tip angle	•	•
SER **3486**	.047" tip, Straight tip angle	•	•
SER **3487**	.047" tip, 45° tip angle	•	
SER **3488**	.047" tip, 90° tip angle	•	•
SER **3489**	.070" tip, Straight tip angle	•	•
SER **3490**	.070" tip, 45° tip angle	•	
SER **3491**	.070" tip, 90° tip angle	•	•
SER **3492**	.090" tip, Straight tip angle	•	
SER **3493**	.090" tip, 45° tip angle	•	
SER **3494**	.090" tip, 90° tip angle	•	

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CONVERT FROM EXTERNAL TO INTERNAL

Takes about 1 second!
1. Compress handles slightly.
2. Depress shift button.
3. Turn Knob.

CAM-LOCK™ CONVERTIBLE SNAP-RING PLIERS & SET

Exclusive patented design allows quick change from internal or external ring applications. Simply push button on knob and rotate pivot. Fits internal and external rings from 1/4" to 2". Features three popular tip diameters (0.038", 0.047", 0.070") in 18° or 90° angled tips. Cushioned grip handles for comfort. Kits include custom molded impact resistant storage case.

Item No.	Tip Angle	Tip Diameter	Type Internal	Type External	*SER* 3859 5 Pc. Set w/ Case
SER **3851**	18°	.038	X	X	
SER **3853**	18°	.038	X	X	•
SER **3855**	18°	.047	X	X	•
SER **3856**	90°	.047	X	X	•
—	18°	.070	X	X	•
SER **3858**	90°	.070	X	X	•

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

EVERCRAFT™

ANGLE TIP LOCK RING PLIERS

Remove and install lock rings without holes. Knurled jaws to hold rings securely. Jaw spread: 3/4". Drop serrated for multiple applications.

BK **776-9254**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT™

SNAP-RING PLIER SET

Internal and external Snap Ring pliers. Includes straight, 90°, and 45° tips.

BK **776-9169**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Snap-Ring Pliers

CARLYLE TOOLS by NAPA

COMBINATION SNAP-RING PLIERS

Remove and install internal and external snap-rings. Pliers are designed for heavy-duty use. Tips spread up to 1.25". Tip diameter: 0.070".

SER **1715**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HEAVY-DUTY COMBINATION SNAP-RING PLIERS

Remove and install heavy-duty internal snap-rings from $2^{7}/_{16}$" to $3^{1}/_{2}$" in diameter and external snap rings from $1^{1}/_{2}$" to 4" in diameter. Pliers include three pairs of interchangeable points sizes: 0.108" diameter, 15° angle; 0.108" diameter, 45° angle and 0.123" diameter, 45° angle. Points lock securely into the jaws. Screw-type design maintains jaw position during use. Overall length without tips: $9^{1}/_{2}$". Hex stock size of tips: .156".

Item No.	Description
SER **2012**	Heavy-Duty Combination Snap-Ring Pliers
SER **447**	Replacement Point Set
SER **448**	Replacement Point Set

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MINI COMBINATION SNAP-RING PLIERS

Tool removes and installs internal and external snap rings. Its small size allows for use in hard-to-reach areas. Pliers feature comfortable, plasti-sol-dipped handles. Tips spread up to 0.75". Tip diameter: 0.038".

SER **3451**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

LOCK-RING PLIERS

Remove and install snap-rings without holes used on brakes, transmissions, pedal and clutch shafts. Scored jaws hold rings securely.

SER **2534**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

4 PC. MINI SNAP-RING PLIERS SET

Small design is ideal for working in confined areas, while vinyl grips offer improved control. Perfect for servicing s- and r-ring clips (internal and external, straight or angled). All pliers have 0.038" (1mm) tips. Includes two internal (one straight, one 45°) and two external (one straight, one 45°) snap-ring pliers. Made of CR-MO alloy steel.

BK **776-9090**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

6-1/2 IN. CONVERTIBLE SNAP-RING PLIER

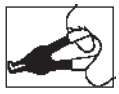
- One pair replaces two for internal and external use
- Includes (4) interchangeable tips for ease in moving from one project to the next

VG **2078900**

CARLYLE TOOLS by NAPA

EXTRA-LARGE CONVERTIBLE INTERNAL/ EXTERNAL SNAP-RING PLIERS

Easily convert for either external or internal use on snap-rings. Unique push-button feature allows for effortless change. Tool comes with heavy-duty cushion-grip handles to provide comfort and broached jaws for tip control and stability. Use on large internal and external snap-rings including automatic transmissions. Pliers fit internal rings $1^{13}/_{16}$" through 4" (46 through 101.6mm) and external rings $1^{1}/_{2}$" through 4" (38.1 through 101.6mm). Pliers feature ratchet lock to hold the snap ring in desired position and includes six pairs of color-coded alloy steel tips in sizes 0.090, 0.108 and 0.120 bent to 15° and 90°. Hex stock size of tips .156".



Item No.	Description
SER **3152**	Extra-large convertible internal/external snap-ring pliers
SER **3152-77**	Replacement point kit (includes 2 each of 6 different sizes: 0.090 15°, 0.090 90°, 0.108 15°, 0.108 90°, 0.120 15° and 0.120 90°)

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

CONVERTIBLE-TIP SNAP-RING PLIERS SET

Combination internal/external pliers with an effective range of 10-50mm. Includes three convertible tips (45°, 90° and 180°). Jaws are easily exchanged to create six internal/external combinations.

BK **776-3445**

EVERCRAFT

300 PC. SNAP-RING KIT

300 Piece snap-ring hardware kit contains 18 of the most popular sizes of snap-rings: $^{1}/_{8}$", $^{5}/_{32}$", $^{3}/_{16}$", $^{1}/_{4}$", $^{5}/_{16}$", $^{3}/_{8}$", $^{7}/_{16}$", $^{15}/_{32}$", $^{1}/_{2}$", $^{9}/_{16}$", $^{5}/_{8}$", $^{3}/_{4}$", $^{13}/_{16}$", $^{7}/_{8}$", 1", $1^{1}/_{16}$", $1^{1}/_{8}$", $1^{1}/_{4}$". Made from steel. Comes in a resealable plastic container. Hardware kit is great for tool box or shop.

BK **776-8083**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

IRWIN VISE-GRIP

LOCKING PLIERS & SETS

Locking pliers sets bring the most popular locking tools and applications together!

VG **757KB**

VG **1078TRAY**

Item No.	Description	*VG* **1078TRAY** 10 Pc. Set w/Tray	*VG* **757KB** 7 Pc. Set in Kit Bag	*VG* **641** 5 Pc. Set in Kit Bag	*VG* **68** 5 Pc. Set
VG **1002L3**	4" Curved w/ Wire Cutter				
VG **902L3**	5" Curved w/ Wire Cutter	•	•	•	•
VG **702L3**	7" Curved w/ Wire Cutter	•	•	•	•
VG **502L3**	10" Curved w/ Wire Cutter	•	•	•	
—	10" Curved				•
—	4" 4 WR Curved w/ Wire Cutter				
—	5" 5 WR Curved w/ Wire Cutter				
—	7" 7 CR Curved				
VG **302L3**	7" Straight	•			•
VG **102L3**	10" Straight	•			
VG **1602L3**	4" Long Nose			•	
VG **1402L3**	6" Long Nose	•	•	•	•
VG **1502L3**	9" Long Nose	•		•	
VG **12L3**	12" Large Jaw		•		
VG **8**	4" Wrench - 1/2" to 9/16"				
—	7" Wrench - 7/16" to 3/4"	•	•		
—	10" Wrench - 5/8" to 1 1/8"		•		
VG **17**	6" C-Clamps w/Reg.Tips	•			
VG **19**	11" C-Clamps w/Reg.Tips	•			
—	18" C-Clamps w/Reg.Tips				
VG **275**	24" C-Clamps w/Reg.Tips				
VG **165**	4" C-Clamps w/Swivel Pads				
VG **18**	6" C-Clamps w/Swivel Pads				
—	11" C-Clamps w/Swivel Pads				
VG **22**	18" C-Clamps w/Swivel Pads				
VG **28**	24" C-Clamps w/Swivel Pads				

IRWIN VISE-GRIP

LOCKING PLIERS SETS

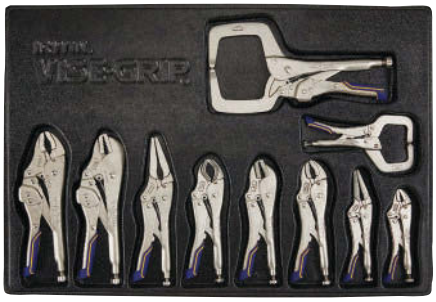
- Includes most popular locking tools
- Multiple uses
- Great prices
- Ideal for gifts - even for yourself!

Item No.	Description
VG **73**	3 Piece Set Contains *VG* **502L3**, *VG* **1402L3**, and *VG* **902L3** with Kit Bag
VG **74**	5 Piece Welding Set with FREE T-Shirt Contains *VG* **2-19**, *VG* **2-17**, and *VG* **1-102L3**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Locking Pliers

IRWIN VISE-GRIP



FAST RELEASE™ LOCKING PLIERS & SETS

- 20% Reduced Hand Span improves user control and helps reduce hand strain
- Redesigned tactile grip zone helps improve user control and is suited for high temperature applications
- Made with a one-handed, triggerless release that is 2X easier to open
- Built with heat treated alloyed steel for maximum durability
- Backed by IRWIN Lifetime Guarantee

Item No.	Description	*VG* **IRHT82596** 10 Pc. Set w/Tray
—	5" Curved	•
—	7" Curved	•
VG **IRHT82574**	7" Curved	•
VG **IRHT82580**	7" 7WR® Curved	
—	10" Curved	•
VG **IRHT82573**	10" Curved	
VG **IRHT82578**	10" 10WR® Curved Jaw	
—	7" Straight	•
—	10" Straight	•
—	6" Long Nose	•
VG **IRHT82583**	6LN® 6" Long Nose	
VG **IRHT82582**	9" Long Nose	•
—	6" Locking C-Clamp	•
VG **IRHT82584**	11" Locking C-Clamp	•

IRWIN VISE-GRIP

THE ORIGINAL™ LOCKING PLIERS SET

- Ideal for tightening, clamping, twisting and turning
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Classic Trigger Release designed to provide maximum locking force
- Hardened teeth are designed to grip from any angle

VG **2077704**

IRWIN VISE-GRIP

THE ORIGINAL™ CURVED-JAW LOCKING PLIERS

- Self-energizing lower jaw provides 3X more gripping power than traditional locking pliers, with no slipping or stripping.
- Provides maximum torque without requiring heavy input pressure – jaw mechanism naturally grips tighter as more torque is applied to the tool.
- Classic trigger release provides maximum locking force.
- Curved jaw puts tremendous pressure on four points of any style nut or bolt head, making it perfect for any application that requires maximum torque.
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability.
- Hardened teeth are designed to grip from any angle.
- Hex key adjusting screw tightens to adjust pressure and draw materials together and provides a controlled release.
- Backed by the IRWIN® VISE-GRIP® Lifetime Guarantee.

VG **4935576**

CARLYLE TOOLS by NAPA

3 PC. LOCKING PLIERS SET

Patented locking mechanism allows for one-handed operation to quickly self-adjust and lock on to thick or thin objects without the need to turn a knob.

Contents: 6 in. Curved Jaw Locking Pliers (*CHT* **AGCJLP6**), 7 in. Long Nose Locking Pliers (*CHT* **AGNNLP7**) & 8 in. Curved Jaw Locking Pliers (*CHT* **AGCJLP8**)

CHT **AGS3**

Milwaukee

5 PC. TORQUE LOCK™ LOCKING PLIERS KIT

- Faster tool set up and more locking force than the competition
- Hardened jaws with better grip force
- Control release: fast, easy, one-handed

Features

- Screwdriver through-hole provides users with leverage for tightening the thumb screw
- Forged alloy steel construction gives users strength and durability
- Rust protection increases tool life by reducing corrosion
- Ergonomic handles with anti-pinch design

Warranty: Limited Lifetime Warranty

MIL **48-22-3695**

Contents

Item No..	Description
MIL **48-22-3422**	5" Curved Jaw
MIL **48-22-3421**	7" Curved Jaw
MIL **48-22-3610**	10" TORQUE LOCK™ MAXBITE™ Curved Locking Pliers
MIL **48-22-3507**	7" TORQUE LOCK™ Straight Jaw Locking Pliers
MIL **48-22-3506**	6" TORQUE LOCK™ Long Nose Locking Pliers

WARNING: Always wear protective eyewear when using hand tools and accessories.

CRESCENT

5 PC. LOCKING PLIER SET
- 8mm - 19mm Chrome Vanadium Alloy Wrench Set

APX **CLP5SETN**

CRAFTSMAN

2 PC. LOCKING PLIERS SET
- One-Handed Operation: With easy-release mechanism
- Multi-zone bi-material grips
- Adjusting Screw: Controls the jaw opening and locking pressure

Includes: 10WR, 7R

CTM **CMHT81727**

CARLYLE TOOLS by NAPA

8 IN. STRAIGHT JAW LOCKING PLIERS
Patented locking mechanism allows for one-handed operation to quickly self-adjust and lock on to thick or thin objects without the need to turn a knob.
- Durable forged CR-V jaws with induction hardened teeth for ultimate durability
- Hard rubber grip on handle helps prevent hand slippage
- Integrated wire cutter that can cut up to 1/4" bolt
- Tested to exceed 2,500 lbs. jaw pressure
- Pull-up release allows for one-handed opening when locked
- Complies with ASME specs B107.24
- Nickel-plated finish for corrosion resistance

CHT **AGSJLP8**

CARLYLE TOOLS by NAPA

7 IN. LONG NOSE LOCKING PLIERS
Patented locking mechanism allows for one-handed operation to quickly self-adjust and lock on to thick or thin objects without the need to turn a knob.
- Integrated wire cutter that can cut up to 1/4" bolt
- Complies with ASME specs B107.24
- Durable forged CR-V jaws with induction hardened teeth for ultimate durability
- Nickel-plated finish for corrosion resistance
- Hard rubber grip on handle helps prevent hand slippage
- Pull-up release allows for one-handed opening when locked
- Tested to exceed 450 lbs. jaw pressure

CHT **AGNNLP7**

CARLYLE TOOLS by NAPA

CURVED JAW LOCKING PLIERS
Patented locking mechanism allows for one-handed operation to quickly self-adjust and lock on to thick or thin objects without the need to turn a knob.
- Integrated wire cutter that can cut up to 1/4" bolt
- Durable forged CR-V jaws with induction hardened teeth for ultimate durability
- Pull-up release allows for one-handed opening when locked
- Tested to exceed 2,500 lbs. jaw pressure
- Complies with ASME specs B107.24
- Hard rubber grip on handle helps prevent hand slippage
- Nickel-plated finish for corrosion resistance

Item No.	Description
CHT **AGCJLP6**	6 In. Pliers
CHT **AGCJLP8**	8 In. Pliers

CARLYLE TOOLS by NAPA

CURVED JAW EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPCJEZ5**	5"
CHT **LPCJEZ7**	7"
CHT **LPCJEZ10**	10"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

STRAIGHT JAW EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPSJEZ7**	7"
CHT **LPSJEZ10**	10"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CRAFTSMAN

LOCKING PLIERS - 10WR
- One-Handed Operation: With easy-release mechanism
- Multi-zone bi-material grips
- Made of high grade heat-treated alloy steel
- Adjusting Screw: Controls the jaw opening and locking pressure

CTM **CMHT81726**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Locking Pliers

CRAFTSMAN

LOCKING PLIERS - 10R

- One-Handed Operation: With easy-release mechanism wino pinch
- Comfort and Control: Multi-zone bi-material grips
- Strength and Durability: Made of high grade heat-treated alloy steel
- Adjusting Screw: Controls the jaw opening and locking pressure

Includes: (1) Locking Pliers - 10R

CTM **CMHT82549**

CARLYLE TOOLS by NAPA

LONG NOSE EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPLNEZ6**	6"
CHT **LPLNEZ9**	9"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

X-JAW EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPXJEZ7**	7"
CHT **LPXJEZ10**	10"

EVERCRAFT

BK **774-3401**

BK **774-3405**

BK **774-3407**

LOCKING PLIERS

Item No.	Description
BK **774-3401**	Curved-jaw w/cutter, 7"
BK **774-3400**	Curved-jaw w/cutter, 10"
BK **774-3405**	Long-nose w/cutter, 6"
BK **774-3404**	Long-nose w/cutter, 9"
BK **774-3407**	Straight, 7"
BK **774-3410**	Straight, 10"

OTC

RATCHETING CHAIN WRENCHES

Head design and ratcheting action permit turning in either direction or re-gripping without removal. Works effectively on items of any shape.

Item No.	Description
BK **825-5128**	13" Handle/capacity: 1½"-4¾" O.D.
BK **700-2247**	19" Handle/capacity: 3"-6¾" O.D.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

LOCKING SHEET METAL TOOL

Tool locks to work with a powerful grip. It can make bread-pan corners and can crimp, double-crimp and stretch upholstery webbing, making all kinds of bending, forming and crimping jobs easier. 8"/200mm.

VG **23**

IRWIN VISE-GRIP

LOCKING WELDING CLAMP

Clamp has deep-throated, U-shaped jaws for visibility and working space and holds parts in proper alignment for welding applications. 9"/225mm.

VG **25ZR**

IRWIN VISE-GRIP

LOCKING PINCH-OFF TOOL

Specially designed for the refrigeration industry, this tool pinches off and locks on copper tubing instantly. 7"/175 mm.

VG **29**

IRWIN VISE-GRIP

LOCKING PANEL CLAMP

Clamp allows for quick clamping and alignment of auto body panels. The unique clamping action of the *VG* **9AC** is ideally suited for automotive and welding applications. 9"/225mm.

VG **251**

IRWIN VISE-GRIP

LOCKING PLIER SPRING

Replacement spring for all vise grips.

VG **4052ZR**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

EASY-RELEASE C-CLAMPS

Item No.	Description
CHT **LPCCEZ6**	6"
CHT **LPCCEZ11**	11"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

IRWIN VISE-GRIP

DEEP REACH LOCKING C-CLAMPS

Great for automotive applications. 9" Deep reach locking c-clamp provides extra throat width and depth for greater clamping reach. Lightweight and easy to carry around, jaws flex requiring less adjustment. Throat width = 3½" closed, depth = 4¾". Item *VG* **31** features swivel tips for greater ease in clamping odd shaped and angled items.

VG **30** Straight tips
VG **31** Swivel tips

CARLYLE TOOLS by NAPA

CHT **LPCCA19**

AUTOMATIC C-CLAMP LOCKING PLIERS

Carlyle Tools c-clamp pliers maintain locking tension over multiple openings and closings of jaws.

- Nickel plated
- One-handed operation
- Auto-adjusting for different materials

Item No.	Description
CHT **LPCCA7**	7"
CHT **LPCCASP7**	7" w/swivel pads
CHT **LPCCA11**	11"
CHT **LPCCASP11**	11" w/swivel pads
CHT **LPCCA19**	19"
CHT **LPCCASP19**	19" w/swivel pads

WILTON

JET **11116**

JET **11114**

C-CLAMP KITS

Part No.	Description
JET **11114**	400 Series Hi-Vis C-Clamps: 2", 4", 6", 8"
JET **11115**	540A Series Carriage C-Clamps: 2½" 4", 6", 8"
JET **11116**	Classic Series F-Clamps: 4" Mini, 8" Mini, 8" Reg., 12" Reg.
JET **11117**	140 Series C-Clamp 10 pc. Kit:

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

EVERCRAFT

C-CLAMPS

Secure, non-slip clamps work on items of any shape or size. Malleable, cast-iron construction for strength and durability, and zinc-plated acme threaded screw for precision control.

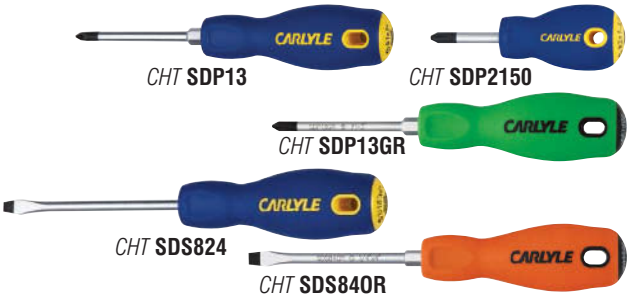
Item No.	Size
BK **775-3422**	2"
BK **775-3423**	3"
BK **775-3424**	4"
BK **775-3426**	6"
BK **775-3428**	8"

WARNING: Always wear protective eyewear when using hand tools and accessories.

Screwdrivers

CARLYLE® SCREWDRIVERS

Carlyle offers a complete line of professional screwdrivers to cover the needs of professional technicians. This offering features a wide range of sizes in lengths ranging from 3"–16" in the following styles: SAE & metric nut drivers, Phillips, slotted, cabinet blade, clutch blade, star, hex, and precision. Shafts are constructed of silicone vanadium chrome magnesium (SVCM) alloy steel. This unique blending has excellent hardness for added strength and an elastic feature that resists screwdriver blade breakage when overstressed.



CHT **SDP13** *CHT* **SDP2150** *CHT* **SDP13GR** *CHT* **SDS824** *CHT* **SDS840R**

CARLYLE TOOLS by NAPA

www.carlyletools.com/products/screwdrivers

EASY IDENTIFICATION

Carlyle screwdrivers feature easy identification on the handle showing type, size, length, and part number.

CHT **SDS8**

SLOTTED & PHILLIPS SCREWDRIVERS & SETS

Item No.	Description	*CHT* SDS8 8 Pc. Set w/Tray	*CHT* SDSP8 8 Pc. Set w/Tray	*CHT* SDSS6 6 Pc. Set w/Tray	*CHT* SDS80R 8 Pc. Hi-Vis Orange Set w/Tray	*CHT* SDS8GR 8 Pc. Hi-Vis Green Set w/Tray
CHT **SDP0250**	Phillips #0 x 2½"					
CHT **SDP03**	Phillips w/ Clip, #0 x 2½"		•			
CHT **SDP13**	Phillips #1 x 3"	•	•			
CHT **SDP16**	Phillips #1 x 6"		•			
CHT **SDP2150**	Phillips Stubby #2 x 1½"					
CHT **SDP24**	Phillips #2 x 4"	•	•			
CHT **SDP26**	Phillips #2 x 6"	•	•			
CHT **SDP28**	Phillips #2 x 8"		•			
CHT **SDP212**	Phillips #2 x 12"					
CHT **SDP216**	Phillips #2 x 16"					
CHT **SDP218**	Phillips #2 x 18"					
CHT **SDP36**	Phillips #3 x 6"	•	•			
CHT **SDP38**	Phillips #3 x 8"		•			
CHT **SDP13OR**	Hi-Vis Orange Phillips, #1 x 3"				•	
CHT **SDP13GR**	Hi-Vis Green Phillips, #1 x 3"					•
CHT **SDP24OR**	Hi-Vis Orange Phillips, #2 x 4"				•	
CHT **SDP24GR**	Hi-Vis Green Phillips, #2 x 4"					•
CHT **SDP26OR**	Hi-Vis Orange Phillips, #2 x 6"				•	
CHT **SDP26GR**	Hi-Vis Green Phillips, #2 x 6"					•
CHT **SDP36OR**	Hi-Vis Orange Phillips, #3 x 6"				•	
CHT **SDP36GR**	Hi-Vis Green Phillips, #3 x 6"					•
CHT **SDS3250**	Slotted w/ Clip, ⅛" x 2½"					
CHT **SDS8150**	Slotted Stubby ¼" x 1½"					
CHT **SDS64**	Slotted Round Blade 3/16" x 4"					
CHT **SDS68**	Slotted Round Blade 3/16" x 8"					
CHT **SDS84**	Slotted Round Blade ¼" x 4"	•		•		
CHT **SDS86**	Slotted Round Blade ¼" x 6"	•		•		
CHT **SDS824**	Slotted Round Blade ¼" x 24"					
CHT **SDS106**	Slotted Round Blade 5/16" x 6"	•		•		
CHT **SDS128**	Slotted Round Blade ⅜" x 8"	•		•		
CHT **SDS1212**	Slotted Round Blade ⅜" x 12"			•		
CHT **SDS1216**	Slotted Round Blade ⅜" x 16"			•		
CHT **SDS84OR**	Hi-Vis Orange Slotted, ¼" x 4"				•	
CHT **SDS84GR**	Hi-Vis Green Slotted, ¼" x 4"					•
CHT **SDS86OR**	Hi-Vis Orange Slotted, ¼" x 6"				•	
CHT **SDS86GR**	Hi-Vis Green Slotted, ¼" x 6"					•
CHT **SDS106OR**	Hi-Vis Orange Slotted, 5/16 x 6"				•	
CHT **SDS106GR**	Hi-Vis Green Slotted, 5/16" x 6"					•
CHT **SDS128OR**	Hi-Vis Orange Slotted, ⅜" x 8"				•	
CHT **SDS128GR**	Hi-Vis Green Slotted, ⅜" x 8"					•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

GEARWRENCH

SCREWDRIVERS

GEARWRENCH screwdrivers deliver a perfect combination of quality materials, balanced ergonomic design, durability, and precision. Strong alloy steel shafts resist corrosion and feature black oxide tips for maximum torque transfer. Tri-lobe dual material handles are both comfortable and oil/solvent resistant, and many feature our exclusive GEARWRENCH

- Ergonomic tri-lobe dual material handle provides the optimal balance of strength and efficiency
- "Speed Zone" handle design for faster rotation in low-torque applications
- Dual material handle offers a more comfortable grip and higher performance
- Non-slip black oxide tip for more secure fit in fastener
- Blades laser etched with part number and size for quick identification
- Oil and solvent resistant handle provides a longer tool life
- Full polish alloy steel screwdriver shaft prevents rust and corrosion

APX **80051H**

Item No.	Description
APX **80050H**	6-Piece Combination Slotted/Phillip®s Dual Material Set
APX **80051H**	12-Piece Combination Slotted/Phillips® Dual Material Set
APX **80052H**	5-Piece Phillips® Dual Material Set
APX **80053H**	5-Piece Slotted Dual Material Set

GEARWRENCH

APX **80055H**

APX **80056H**

Item No.	Description
APX **80055H**	6-Piece Mini Slotted/Phillips® Dual Material Set
APX **80056H**	6-Piece Mini Torx® Dual Material Set
APX **80057H**	12-Piece Mini Slotted/Phillips®/Torx® Dual Material Set

GEARWRENCH

APX **80061H**

APX **80065H**

Item No.	Description
APX **80061H**	4-Piece Pozidriv® Dual Material Set
APX **80065H**	4-Piece Square Dual Material Set
APX **80071H**	7-Piece Torx® Dual Material Set

GEARWRENCH

APX **80068H**

APX **80064H**

Item No.	Description
APX **80064H**	3-Piece Long Torx® Dual Material Set
APX **80068H**	2-Piece XL Slotted/Phillips® Dual Material Set
APX **80069H**	4-Piece Long Slotted/Phillips® Dual Material Set

CRAFTSMAN

ACETATE SCREWDRIVER SET

- Made of heat-treated alloy steel
- For high and low torque application
- Satin-nickel finish

Item No.	Description
CTM **CMHT65046**	25 Pc. Acetate Screwdriver Set
CTM **CMHT65050**	5 Pc. Acetate Screwdriver Set

CRAFTSMAN

BI-MATERIAL SCREWDRIVER SET

- Black Oxide Tip provides improved durability and grip without compromising tip fitment
- Speed and Precision Tactile Zones provide quick rotation control for efficient run down and precision tasks
- Torque Zone provides added grip texture and geometry for heavy torque applications

Item No.	Description
CTM **CMHT65071**	12 Pc. Bi-Material Screwdriver Set
CTM **CMHT65072**	2 Pc. Bi-Material Screwdriver Set

WARNING: Always wear protective eyewear when using hand tools and accessories.

Screwdrivers

EVERCRAFT™

100 PC. SCREWDRIVER SET

Evercraft's 100 pc. screwdriver set is ideal for almost any job around the house or on the jobsite.

- Includes convenient storage rack
- Cushioned handles

BK **774-1101**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

6 PC. SCREWDRIVER SET

This 6 piece professional screwdriver set is made from chrome vanadium steel for strength and durability. Handles feature comfortable non-slip molded grips. Screwdriver ends are magnetic. Red and black handles for better visibility.
Shaft lengths of 4", 3" and 2½".

Includes Sizes:

Slotted: ⅛" x 3", 3/16" x 3", ¼" x 4".
Phillips: #0 x 2½", #1 x 3", #2 x 4".

BK **774-1001**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

EVERCRAFT™ SCREWDRIVERS

- Material — CR-V
- Handles — TPR / PP
- Heat treated tips
- Hex bolster on shafts
- Vapor blasted tips — magnetic
- Mix assortment of 6 and 12 point sockets
- Limited assortment of shallow and deep sockets

BK **774-5033**

BK **774-5025**

BK **774-0505**

PHILLIPS & SLOTTED SCREWDRIVERS & SETS

Item No.	Size	*BK* 774-0507 21 Pc. Set	*BK* 774-0506 9 Pc. Set	*BK* 774-0505 6 Pc. Set	*BK* 774-0504 3 Pc. Set
BK **774-5025**	Phillips, #0 x 3"	•	•		
BK **774-5026**	Phillips, #1 x 3"	•	•	•	
BK **774-5029**	Phillips, #2 x 1½"	•	•		
BK **774-5027**	Phillips, #2 x 4"	•	•	•	
BK **774-5039**	Phillips, #2 x 8"				
BK **774-5038**	Phillips, #2 x 18"				•
BK **774-5028**	Phillips, #3 x 6"	•		•	
BK **774-5040**	Phillips, #4 x 8"				
BK **774-5033**	Slotted, 5/32" x 4"	•	•		
BK **774-5030**	Slotted, 3/16" x 3"	•	•	•	
BK **774-5034**	Slotted, ¼" x 1½"	•	•		
BK **774-5031**	Slotted, ¼" x 4"	•	•	•	
BK **774-5032**	Slotted, 5/16" x 6"	•	•	•	
BK **774-5041**	Slotted, ¼" x 8"				
BK **774-5042**	Slotted, ⅜" x 10"				
BK **774-5036**	Slotted, ¼" x 24"				•
BK **774-5037**	Slotted, ½" x 19"				•
BK **774-5035**	Bit Driver	•			
—	Bit Set, 10 pc. ¼"	•			

⚠ **WARNING:** *(BK* **774-0507** and *BK* **774-5035)** **This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING:** *(BK* **774-0504)** **Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

CHT **SDPRP0**

CHT **SDPRS2**

CHT **SDPRH13M**

CHT **SDPRT5**

CHT **SDSPR7**

PRECISION SCREWDRIVERS & SETS

Item No.	Description	CHT SDSPR7 7 Pc. Phillips/Slotted Set w/Tray	CHT SDSPRH5 5 Pc. Hex Set w/Tray	CHT SDSPRH5M 5 Pc. Hex Set w/Tray	CHT SDSPRT6 6 Pc. Star Set w/Tray
CHT **SDPRP00**	Phillips, #00 x 2 3/8"	•			
CHT **SDPRP0**	Phillips, #0 x 2 3/8"	•			
CHT **SDPRP1**	Phillips, #1 x 2 3/8"	•			
CHT **SDPRS2**	Slotted, 1/16" x 2 3/8"	•			
CHT **SDPRS25**	Slotted, 5/64" x 2 3/8"	•			
CHT **SDPRS3**	Slotted, 3/32" x 2 3/8"	•			
CHT **SDPRS4**	Slotted, 1/8" x 2 3/8"	•			
CHT **SDPRH2**	Hex, 1/16" x 2 3/8"		•		
CHT **SDPRH25**	Hex, 5/64" x 2 3/8"		•		
CHT **SDPRH3**	Hex, 3/32" x 2 3/8"		•		
CHT **SDPRH35**	Hex, 7/64" x 2 3/8"		•		
CHT **SDPRH4**	Hex, 1/8" x 2 3/8"		•		
CHT **SDPRH13M**	Hex, 1.3mm x 2 3/8"			•	
CHT **SDPRH15M**	Hex, 1.5mm x 2 3/8"			•	
CHT **SDPRH2M**	Hex, 2.0mm x 2 3/8"			•	
CHT **SDPRH25M**	Hex, 2.5mm x 2 3/8"			•	
CHT **SDPRH3M**	Hex, 3mm x 2 3/8"			•	
CHT **SDPRT5**	Star, T-5 x 2 3/8"				•
CHT **SDPRT6**	Star, T-6 x 2 3/8"				•
CHT **SDPRT7**	Star, T-7 x 2 3/8"				•
CHT **SDPRT8**	Star, T-8 x 2 3/8"				•
CHT **SDPRT9**	Star, T-9 x 2 3/8"				•
CHT **SDPRT10**	Star, T-10 x 2 3/8"				•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

PRECISION PHILLIPS & SLOTTED SCREWDRIVERS

Screwdrivers feature CR-V steel shafts, high polish chrome for strength and durability, magnetic tips, 2" shaft and comfort grip handles.

Item No.	Description
BK **774-5052**	Phillips, 2mm Tip
BK **774-5053**	Phillips, 2.5mm Tip
BK **774-5050**	Slotted, #00
BK **774-5051**	Slotted, #000

EVERCRAFT™

18-IN-1 PRECISION SCREWDRIVER SET

- Compact bit holder included
- Chrome-plated, polished finish
- Magnetic

BK **774-0236**

EVERCRAFT
774-0236
18-IN-1 PRECISION SCREWDRIVER SET
JUEGO DE DESARMADORES DE PRECISION 18 EN 1
TOURNEVIS DE PRÉCISION, ENSEMBLE DE 18 PIÈCES

WARNING: Always wear protective eyewear when using hand tools and accessories.

Subhead

CHT **SDPI02**

CHT **SDSI33**

INSULATED SCREWDRIVERS & SET

Rated to 1000 V AC/DC and meet the IEC 60900 and ASTM F1505 standards. GS and VDE certified.

Item No.	Description	*CHT* SDSI7 7 Pc. Set w/Tray
CHT **SDPI02**	Phillips, #0 x 2 3/8"	•
CHT **SDPI13**	Phillips, #1 x 3 1/8"	•
CHT **SDPI24**	Phillips, #2 x 4"	•
CHT **SDPI36**	Phillips, #3 x 6"	•
CHT **SDSI33**	Slotted, 3/32" x 3"	
CHT **SDSI44**	Slotted, 1/8" x 4"	
CHT **SDSI54**	Slotted, 5/32" x 4"	•
CHT **SDSI75**	Slotted, 7/32" x 5"	•
CHT **SDSI86**	Slotted, 1/4" x 6"	•
CHT **SDSI107**	Slotted, 5/16" x 7"	

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

VESSEL®

5 PC. RATCHETING BALL GRIP SCREWDRIVER SET

36-Teeth gear ratchet to realize comfortable operation with fine tuning. Blade cover to prevent electrical short circuit. Recessed blade for convenience in operation in a terminal block. Special alloy steel used for power tool bit. Fully hardened interchangeable blades.

- Ergonomic BALL GRIP for anti-fatigue and various ways of driving
- Functionally enhanced BALL GRIP with 36-teeth gear ratchet for smooth driving by simple repeated finger or wrist movement
- Non-step slim covered blade shank for preventing electrical short circuit
- Using as a stubby ratchet by popping off the blade and inserting ¼" hex insert bits
- VESSEL's original Phillips tip profile for best fitting especially with Japanese (JIS) screws
- Using high-grade Cr-V alloy steel used for impact bits as a blade material
- High wear-resistance and durable fully hardened blade by optimum heat treatment
- Magnetized tip

BK **22005EVA**

VESSEL®

5 PC. BALL RATCHET™ SCREWDRIVER SET

Ratcheting Ball Grip Screwdriver set with 3 replacement blades. 36-Teeth gear ratchet to realize comfortable operation with fine tuning. Blade cover to prevent electrical short circuit. Recessed blade for convenience in operation in a terminal block. Special alloy steel used for power tool bit. Fully hardened interchangeable blades.

- Ergonomic BALL GRIP for anti-fatigue and various way of driving
- Non-step slim covered blade shank for preventing electrical short circuit
- Use as a stubby ratchet by popping off the blade and inserting ¼" hex insert bits
- VESSEL's original Phillips tip profile for best fit especially with Japanese (JIS) screws
- Uses high-grade Cr-V alloy steel used for impact bits as a blade material
- High wear-resistance and durable fully hardened blade by optimum heat treatment
- Magnetized tip

BK **22002N3EVA**

VESSEL®

MEGADORA™ JAWSFIT® 8 PC. SCREWDRIVER SET

- Phillips JAWSFIT® tip firmly grips screws
- Useful knurled blade for quick and slipless driving

Includes: No. 900 +1 x 3" (75mm), No. 900 +2 x 6" (150mm), No. 900 +3 x 6" (150mm), No. 920 +2 x 1" (25mm), No. 900 -3/16" (5.5mm) x 3" (75mm), No. 900 -1/4" (6mm) x 6" (150mm), No. 900 =5/16" (8mm) x 6" (150mm) and No. 920 -1/4" (6mm) x 1" (25mm)

BK **9008EVA**

WARNING: Always wear protective eyewear when using hand tools and accessories.

VESSEL

MEGADORA™ JAWSFIT® 8 PC. SCREWDRIVER SET

Includes No. 900 -5.5 (3/16) x 3", -6 (1/4) x 4", -8 (5/16) x 6", +1 x 3", +2 x 4", +3 x 6", No. 920 -6 (1/4) x 1", +2 x 1"

- Phillips JAWSFIT tip that firmly grips screws
- Useful knurled blade for quick and slipless driving
- High wear-resistance and durable fully hardened blade by optimum heat treatment
- High precision black point tip and anti-corrosion chrome plated blade
- Magnetized tip
- Durable and comfortable cushion grip
- Made in Japan by VESSEL

BK **9006PB**

VESSEL

MEGADORA™ IMPACTA SCREWDRIVERS AND SET

For removing stuck, rusted or stripped screws. Suitable for a variety of screws from machine screws to wood screws and especially for car repairs. Megadora Impacta Screwdrivers have a Cam Rotation Mechanism to turn the stuck screw 12° when you hit the steel cap. The Impacta has a Tang-Thru shaft so it doesn't break.

- Magnetized tip
- Durable and comfortable cushion grip
- Possible to use as a normal screwdriver
- Tang-Thru shank and a steel cap with cam rotation mechanism
- High precision black point tip and anti-corrosion chrome-plated blade
- Blade turns 12° counterclockwise and loosens stuck screws when striking with a hammer

Item No.	Description	*BK* **9802SC** 2 Pc. Set
BK **980P2100**	PH2 x 100	•
BK **980P2150**	PH2 x 150	
BK **980P3150**	PH3 x 150	•

VESSEL

NO. 900 MEGADORA™ SCREWDRIVERS

- Magnetized tip
- Made in Japan by Vessel
- Durable and comfortable cushion grip
- Useful knurled blade for quick and slipless driving
- High precision black point tip and anti-corrosion chrome-plated blade
- High wear-resistance and durable fully hardened blade by optimum heat treatment

Item No.	Description	Overall Length
BK **900S5575**	5.5 x 75	6.9"
BK **900S6100**	6 x 100	8.3"
BK **900S6150**	6 x 150	10.2"
BK **900S8150**	8 x 150	10.8"

VESSEL

NO. 900 MEGADORA™ PHILLIPS SCREWDRIVERS

- Magnetized tip
- Made in Japan by Vessel
- Durable and comfortable cushion grip
- Phillips JAWSFIT tip that firmly grips screws
- Useful knurled blade for quick and slipless driving
- High precision black point tip and anti-corrosion chrome-plated blade
- High wear-resistance and durable fully hardened blade by optimum heat treatment

Item No.	Description	Overall Length
BK **900P175**	PH1 x 75	6.9"
BK **900P2100**	PH2 x 200	8.3"
BK **900P2150**	PH2 x 150	10.2"
BK **900P3150**	PH3 x 150	10.8"

VESSEL

NO. 2200 BALL RATCHET SCREWDRIVERS

36-Teeth gear ratchet to realize comfortable operation with fine tuning. Blade cover to prevent electrical short circuit. Recessed blade for convenience in operation in a terminal block. Special alloy steel used for power tool bit. Fully hardened interchangeable blades.

- Magnetized tip
- Ergonomic BALL GRIP for anti-fatigue and various ways of driving
- Replacement blade available in case of tip wear-out or breakage
- Non-step slim covered blade shank for preventing electrical short circuit
- High wear-resistance and durable fully hardened blade by optimum heat treatment
- Using as a stubby ratchet by popping off the blade and inserting 1/4 in. hex insert bits
- VESSEL's original Phillips tip profile for best fitting especially with Japanese (JIS) screws
- Functionally enhanced BALL GRIP with 36-teeth gear ratchet for smooth driving by siple repeated finger or wrist movement

Item No.	Description	Overall Length
BK **2200S6100**	6 x 100	7.9"
BK **2200S6150**	6 x 150	9.8"
BK **2200P2100**	PH2 x 100	7.9"
BK **2200P2150**	PH2 x 150	9.8"
BK **2200P3150**	PH3 x 150	9.8"

EVERCRAFT

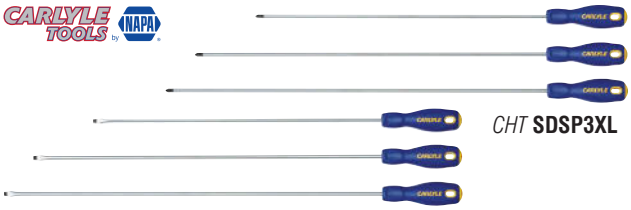
GEARDRIVE 11 PC. RATCHETING FIX-BLADE SCREWDRIVER SET

- 3-Lock position
- Slip-resistant comfortable tire grain handle
- Heat-treated chrome vanadium steel shaft
- Blade oxide and magnetic tip

BK **774-0239**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Screwdrivers



CHT **SDSP3XL**

CHT **SDSS3XL**

EXTRA LONG SCREWDRIVERS & SETS

- Constructed from SVCM special alloy material for durability and longer life.
- Satin chrome finish for longer durability
- Comfort grip handles and bolster hole in the handle for increased torque
- Magnetic tips for fastener control
- Satin chrome finish for longer durability

Item No.	Size	*CHT* SDSS3XL 3 Pc. Slotted Set	*CHT* SDSP3XL 3 Pc. Phillips Set
CHT **SDS822**	Slotted, 1/4" x 22"	•	
CHT **SDP218**	Phillips, PH2 x 18"		•
CHT **SDP222**	Phillips, PH2 x 22"		•
CHT **SDP224**	Phillips, PH2 x 24"		•

⚠ **WARNING: (*CHT* SDSS3XL) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* SDP222, *CHT* SDS818, *CHT* SDS822 and *CHT* SDSP3XL) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CRAFTSMAN

PH #2 X 12-IN. ACETATE SCREWDRIVER

- Phillips Head
- Made of heat-treated alloy steel
- For high and low torque application
- Satin-nickel finish

CTM **CMHT65007**

CRAFTSMAN

3/8 IN. X 12 IN. SLOTTED ACETATE SCREWDRIVER

- Made of heat-treated alloy steel
- For high and low torque application
- Satin-nickel finish

CTM **CMHT65027**

GEARWRENCH

2 PIECE BOLT BITER IMPACT SCREWDRIVER SET

These new Bolt Biter impact screwdrivers offer the convenience of a standard screwdriver with the extraction abilities of a dedicated impact driver, loosening rusted, stripped, or other difficult-to-remove screws. Their high-performance steel handle end cap transfers impact shock to an internal mechanism that rotates the heat-treated alloy steel shaft 12 degrees when struck. High-strength tips are rust-resistant nickel chrome plated.

APX **86090**

CHT **SDC64**

CABINET SCREWDRIVERS & SET

Item No.	Size	*CHT* SDSC4 4 Pc. Set w/Tray
CHT **SDC64**	3/16" x 4"	
CHT **SDC66**	3/16" x 6"	•
CHT **SDC4350**	1/8" x 3 1/2"	
CHT **SDC610**	3/16" x 10"	
CHT **SDC88**	1/4" x 8"	•
CHT **SDC812**	1/4" x 12"	•
CHT **SDC816**	1/4" x 16"	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **SDCL105**

CLUTCH SCREWDRIVERS

Item No.	Size
CHT **SDCL64**	3/16" x 4"
CHT **SDCL85**	1/4" x 5"
CHT **SDCL105**	5/16" x 5"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HEX SCREWDRIVERS & SETS

- Constructed from SVCM special alloy material for durability and longer life.
- Full hex shank for increased torque
- Satin finish for longer durability
- Comfort grip handles and bolster hole in the handle for increased torque
- Magnetic tips for fastener control

Item No.	Size	*CHT* SDH7 7 Pc. SAE Set	*CHT* SDH7M 7 Pc. Metric Set
CHT **SDH25**	5/64" x 3"	•	
CHT **SDH3**	3/32" x 3"	•	
CHT **SDH35**	7/64" x 4"	•	
CHT **SDH4**	1/8" x 4"	•	
CHT **SDH45**	9/64" x 4"	•	
CHT **SDH5**	5/32" x 4"	•	
CHT **SDH6**	3/16" x 5"	•	
CHT **SDH15M**	1.5 x 3mm		•
CHT **SDH2M**	2 x 3mm		•
CHT **SDH25M**	2.5 x 3mm		•
CHT **SDH3M**	2 x 4mm		•
CHT **SDH4M**	4 x 4mm		•
CHT **SDH5M**	5 x 4mm		•
CHT **SDH6M**	6 x 5mm		•

⚠ **WARNING: (*CHT* SDH7, *CHT* SDH7M, *CHT* SDH15M, *CHT* SDH2, *CHT* SDH25M, *CHT* SDH3M, *CHT* SDH4M, *CHT* SDH5M and *CHT* SDH6M) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **SDT40**

STAR SCREWDRIVERS & SET

Item No.	Size	*CHT* SDST8 8 Pc. Set w/Tray
CHT **SDT5**	T-5 x 3" w/ Clip	
CHT **SDT8**	T-8 x 3"	•
CHT **SDT10**	T-10 x 4"	•
CHT **SDT15**	T-15 x 4"	•
CHT **SDT20**	T-20 x 4"	•
CHT **SDT25**	T-25 x 4"	•
CHT **SDT27**	T-27 x 4"	•
CHT **SDT30**	T-30 x 4"	•
CHT **SDT40**	T-40 x 4"	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BK **774-5210**

STAR SCREWDRIVERS & SET

Item No.	Size	BK 774-0502 6 Pc. Set
BK **774-5210**	T-10 x 4"	•
BK **774-5215**	T-15 x 4"	•
BK **774-5220**	T-20 x 4"	•
BK **774-5225**	T-25 x 4"	•
BK **774-5227**	T-27 x 4"	•
BK **774-5230**	T-30 x 4"	•

CHT **SDT8H**

TAMPER-PROOF STAR SCREWDRIVERS

Item No.	Size
CHT **SDT8H**	T-8 x 3"
CHT **SDT10H**	T-10 x 4"
CHT **SDT15H**	T-15 x 4"
CHT **SDT20H**	T-20 x 4"
CHT **SDT25H**	T-25 x 4"
CHT **SDT27H**	T-27 x 4"
CHT **SDT30H**	T-30 x 4"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **SDOP12**

OFF-SET SCREWDRIVERS

Item No.	Description
CHT **SDOP12**	Phillips,#1, #2, 4 1/8" Long
CHT **SDOS64**	Slotted, 3/16" x 3/16", 4 1/8" Long
CHT **SDOS84**	Slotted, 1/4" x 1/4", 4 1/8" Long

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SLOTTED SCREW STARTER

Holds screw securely for use in hard-to-reach areas. Twist the bit to hold screw for easy starting. Strong magnet on opposite end picks up dropped parts. Also includes a pocket clip. Length: 5 5/8".

SER **2282**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PHILLIPS SCREW STARTER

Twist bit to firmly hold most Phillips screws for easy starting in hard-to-reach areas. Strong magnet on opposite end retrieves dropped parts. Includes a pocket clip. Length: 5 5/8".

SER **2283**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 PC. LOW-PROFILE SCREWDRIVER SET

Low-profile design features 3/8 in. (10mm) clearance and 15° offset angle for improved access for hard-to-reach fasteners.

- Vacuum tray keeps everything organized
- Corrosion-resistant heat-treated steel handles with durable S2 alloy steel bits
- Includes 5 popular sizes: Phillips #1, #2, Pozi PZ1, PZ2 and slotted 3/16 in. (6mm)
- Includes key ring and carabiner clip for convenient organization and compact storage
- L-Handle design

CHT **SDSLP5**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 PC. LOW-PROFILE STAR DRIVER SET

Low-profile design features 3/8 in. (10mm) clearance and 15° offset angle for improved access for hard-to-reach fasteners.

- Vacuum tray keeps everything organized
- Included 5 popular star sizes: T20, T25, T27, T30, T40
- Corrosion-resistant heat-treated steel handles with durable S2 alloy steel bits
- Includes key ring and carabiner clip for convenient organization and compact storage
- L-Handle design

CHT **SDSLPH5**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Screwdrivers & Nut Drivers

EVERCRAFT™

3/8 IN. DR. IMPACT DRIVER SET

Releases frozen bolts and screws. Simply twist tool in direction of rotation, hold and strike with a hammer. Reverse action tightens bolts.

BK **776-9059**

Contents

Adapter, Hex: 3/8"-5/16".
Bits, Phillips: #2, #3.
Bits, Slotted: 5/16", 9/32".

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **ND6**

CHT **ND6M**

CHT **NDS7M**

NUT DRIVERS & SETS

Nut drivers feature comfort grip color coded handles for easy size identification and a bolster hole in the handle for increased torque.

Item No.	Size	*CHT* NDS7 7 Pc. Set w/Tray	*CHT* NDS7M 7 Pc. Set w/Tray
CHT **ND6**	3/16"	•	
CHT **ND8**	1/4"	•	
CHT **ND10**	5/16"	•	
CHT **ND11**	11/32"	•	
CHT **ND12**	3/8"	•	
CHT **ND14**	7/16"	•	
CHT **ND16**	1/2"	•	
CHT **ND5M**	5mm		•
CHT **ND6M**	6mm		•
CHT **ND7M**	7mm		•
CHT **ND8M**	8mm		•
CHT **ND9M**	9mm		•
CHT **ND10M**	10mm		•
CHT **ND11M**	11mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

BK **774-9101**

BK **774-9108**

NUT DRIVERS & SETS

Drivers feature hollow shaft for use when extra depth is needed and color coded comfort grip handles for easy size identification.

Item No.	Size	*BK* 774-9099 7 Pc. Set	*BK* 774-9100 7 Pc. Set
BK **774-9101**	3/16"	•	
BK **774-9102**	1/4"	•	
BK **774-9103**	5/16"	•	
BK **774-9104**	11/32"	•	
BK **774-9105**	3/8"	•	
BK **774-9106**	7/16"	•	
BK **774-9107**	1/2"	•	
BK **774-9108**	5mm		•
BK **774-9109**	6mm		•
BK **774-9110**	7mm		•
BK **774-9111**	8mm		•
BK **774-9112**	9mm		•
BK **774-9113**	10mm		•
BK **774-9114**	12mm		•

CRAFTSMAN

7 PC. SAE/MM NUT DRIVER SET

- Hollow shaft reaches over extended bolts.
- Handle end accepts 1/4 in drive ratchet for more torque when tightening or loosening a fastener.
- Handle features Speed, Torque and Tactile Zones for the optimum turning in applications.

Includes: 3/16"-4.5mm - 1/2"-13mm

CTM **CMHT65081**

WARNING: Always wear protective eyewear when using hand tools and accessories.

DEWALT

70 PC. 1/4 IN. MULTI-BIT & NUT DRIVER SET

DEW **DWMT73808**

DEWALT

DEW **DW2166**

TOUGH CASE® SCREWDRIVING SETS

Item No.	Description
DEW **DW2162**	29 Pc. Screwdriving Set with TOUGH CASE® Container
DEW **DW2166**	45 Pc. Screwdriving Set with TOUGH CASE® Container

CRESCENT

38 PC. VORTEX™ ALPHACASE™ SET

The Crescent APEX® 38-piece fastening set is built for the most demanding jobsites. The stack and store alphaCASE™ features a tongue and groove design with thick sidewall construction. The 38-piece set includes a BONUS Crescent APEX patented non-marring u-GUARD covered bit holder which protect final finishes from damage, and the Crescent APEX Vortex line of torsion bits with optimized tip geometry for fit to the fastener. Screwdriving bit tips include Square, Phillips®, Torx®, Slotted. Bits are secured in pivoting insert rails inside the case, allowing easy access to bits and case configurability.

- Torsion design delivers maximum performance for impact applications
- Optimized tip geometry for best fit
- Proprietary heat treat process maximizes bit life
- Superior durability to withstand the toughest jobs
- Attachment points for versatility on the job
- Full length metal hinge for improved case life
- Pivoting insert rails for ease of use
- Stackable for convenient storage
- Exterior labels for visibility and marking

Contains: u-GUARD™ Bit Holder, Bit Holder, 36 Insert Bits

APX **CAVSET-38**

GEARWRENCH

26 PC. RATCHETING SCREWDRIVER SET

APX **8926**

Contents

Item No.	Description	
APX **300900GR**	Ratcheting Screwdriver Handle	
APX **311901GR**	3 1/2" Ratcheting Screwdriver Extension 1/4" Dr.	
APX **311902GR**	6" Ratcheting Screwdriver Extension 1/4" Dr.	
APX **311904GR**	10" Ratcheting Screwdriver Extension 1/4" Dr.	
APX **311903GR**	6" Ratcheting Screwdriver Flex Extension 1/4" Dr.	
APX **890002GD**	6" Ratcheting Screwdriver Flex Extension 1/4" Dr.	
—	20 pc. Bits in Case:	
	3/32" Hex Bit	5/32" Slotted Bit
	1/8" Hex Bit	3/16" Slotted Bit
	5/32" Hex Bit	1/4" Slotted Bit
	3/16" Hex Bit	1/4" Slotted Bit
	1/4" Hex Bit	T-10 Torx® Bit
	5/16" Hex Bit	T-15 Torx® Bit
	#1 Phillips Bit	T-20 Torx® Bit
	#2 Phillips Bit	T-25 Torx® Bit
	#2 Phillips Bit	T-30 Torx® Bit
	#3 Phillips Bit	T-40 Torx® Bit

Torx® is a registered trademark of CAMCAR, Division of TEXTRON, Inc.

GEARWRENCH

40 PC. RATCHETING SCREWDRIVER SET

- Precision fine tooth reversible ratcheting mechanism
- Includes straight handle, stubby handle and T-handle
- Flexible and solid drive shafts
- Premium S2 quality steel bits

APX **8940**

SAE

Contents

Item No.	Description
APX **890001GD**	Ratcheting Screwdriver Straight Handle 1/4" Dr.
APX **890006GD**	Ratcheting Screwdriver T-Handle 1/4" Dr.
APX **890005GD**	Ratcheting Screwdriver Stubby Handle 1/4" Dr.
APX **890007GD**	Shaft Adapter 1/4" to 1/4"
APX **890008GD**	11" 1/4 Shank 180 Deg Flex Bit Shaft
APX **890009GD**	11" 1/4 Shank 180 Deg Flex Socket Shaft
APX **310901GR**	Magnetic Bit Shaft 1/4" Dr. 3 1/2"
APX **310902GR**	Magnetic Bit Shaft 1/4" Dr. 6"
APX **311901GR**	Socket Shaft 1/4" Dr. 3 1/2"
APX **311902GR**	Socket Shaft 1/4" Dr. 6"
APX **890003GD**	30 Pc. Bit Set in Box

WARNING: Always wear protective eyewear when using hand tools and accessories.

Insert Bit Drivers & Sets

GEARWRENCH

16 PC. RATCHETING STUBBY HANDLE NUT DRIVER SET

APX **8916**

Contents

Item No.	Description	Item No.	Description
APX **890060GD**	3/16"	*APX* **891050GD**	5mm
APX **890080GD**	1/4"	*APX* **891060GD**	6mm
APX **890100GD**	5/16"	*APX* **891070GD**	7mm
APX **890110GD**	11/32"	*APX* **891080GD**	8mm
APX **890120GD**	3/8"	*APX* **891090GD**	9mm
APX **890140GD**	7/16"	*APX* **891100GD**	10mm
APX **890160GD**	1/2"	*APX* **891110GD**	11mm
		APX **891120GD**	12mm
APX **890005GD**	Stubby Ratcheting Screwdriver Handle		

GEARWRENCH

39 PC. RATCHETING SCREWDRIVER SET

- Precision fine tooth reversible ratcheting mechanism
- Flexible and solid drive shafts
- Premium S2 quality steel bits

APX **8939**

Contents

Item No.	Description
APX **890001GD**	Ratcheting Screwdriver Straight Handle 1/4" Dr.
APX **890002GD**	1/4" Hex Shank Bit Adapter
APX **311904GR**	1/4" Socket Shaft 10"
APX **310901GR**	Magnetic Bit Shaft 1/4" Dr. 3 1/2"
APX **310902GR**	Magnetic Bit Shaft 1/4" Dr. 6"
APX **310903GR**	Magnetic Bit Shaft 1/4" Dr. 10"
APX **311901GR**	Socket Shaft 1/4" Dr. 3 1/2"
APX **311902GR**	Socket Shaft 1/4" Dr. 6"
APX **311903GR**	Flexible Socket Shaft 1/4" Dr. 6"
APX **890003GD**	30 Pc. Bit Set in Box

EVERCRAFT

25 PC. RATCHETING T-HANDLE SET

Evercraft™ ratcheting T-handle set is light weight, rust-resistant and durable for longer life. It has multiple uses and makes a perfect addition to any tool collection.

- Patented dual drive technology
- 2X Faster than standard ratcheting T-handles
- Ergonomic T-handle with slip-resistant rubber grip
- Two-way forward/reverse function
- 1/4 in. Drive size
- Insulated handles

BK **774-0235**

GEARWRENCH

1/4 IN. DRIVE IMPACT NUT EXTRACTOR AND DRIVER SETS

- Dual sized sockets designed to work with both SAE and Metric Fasteners
- Tapered entry enables socket to easily seat on a damaged fastener
- Bi-directional design for removing or tightening damaged fasteners
- Chrome Molybdenum (CR-MO) alloy steel for exceptional strength and long lasting durability

APX **86170**

APX **86171**

Item No.	Description
APX **86171**	16 Pc. Includes: 1/4"-, 1/4", 7-mm, 7mm, 8-mm (5/16"-), 8mm (5/16"), 3/8"-, 3/8", 10-mm, 10mm, 11-mm (7/16"-), 11mm (7/16"), 12-mm, 12mm, 1/2"-, 13-mm (1/2")
APX **86170**	8 Pc. Includes: 1/4", 7mm, 8mm (5/16"), 3/8", 10mm, 11mm (7/16"), 12mm, 13-mm (1/2")

GEARWRENCH

84 PC. HEX / TORX BIT SOCKET SET

Includes

Torx®, E-Torx®, Tamper Proof Torx®, SAE & MET Hex Bit Sockets

APX **80742**

GEARWRENCH

41 PC. RATCHETING WRENCH BIT SET

- Fits in 8mm, 12mm, or 15mm 6-Point or 12-Point wrenches or ratcheting wrenches.
- Low profile allows for greater accessibility in tight spaces
- 11 Torx® Bits, 8 MET Hex Bits, 8 SAE Hex Bits, 6 Triple Square Bits, 4 Phillips Bits & 4 Slotted Bits

APX **81602**

GEARWRENCH

8 PC. RATCHETING WRENCH METRIC HEX BIT SET

- Fits 8mm, 12mm or 15mm 6-Point or 12-Point wrenches or ratcheting wrenches
- Low profile allows for greater accessibility in tight spaces

APX **81550**

GEARWRENCH

11 PC. RATCHETING WRENCH TORX BIT SET

- Fits 8mm, 12mm, or 15mm 6-Point or 12-Point wrenches or ratcheting wrenches
- Low profile allows for greater accessibility in tight spaces

APX **81560**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CRAFTSMAN

35 PC. RIGHT ANGLE BIT DRIVER

Increase your access with this 35 pc. Right Angle Ratcheting Bit Driver. With a 15° offset design provides clearance in tight spaces and the full polish chrome finish resists corrosion.

CTM **CMMT12005**

EVERCRAFT

21 PC. SOCKET, BIT AND NUT DRIVER SET

The 12 magnetic nut drivers are made of CRv steel and are 2.5 in. in length with a universal ¼ in. detent hex shank to lock securely into any standard drill chuck, screw gun or quick-change fitting.

- All bits fit in our 2-sided flip case with crystal clear lids so you can easily find the needed bit
- Sizes include: SAE: 3/16, 1/4, 9/32, 5/16, 11/32, 3/8, and 7/16 in. Metric: 5, 5.5, 6, 7, 8, 10 and 12mm
- 3 Pc. square drive socket adapters transform any drill or 1/4 in. hex impact driver into a power nut drivers for 1/4, 3/8 and 1/2 in. sockets
- Case included

BK **774-1165**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

42 PC. INSERT BIT SET

BK **775-1566**

Contents

Description	Description
Adapter	1" Slotted, 8-10
1" Hex, 5/64"	1" Slotted, 12-14
1" Hex, 3/32"	1" Square, S0
1" Hex, 7/64"	1" Square, S1
1" Hex, 1/8"	1" Square, S2
1" Hex, 9/64"	1" Square, S3
1" Hex, 3mm	1" Star, Tamperproof T-6H
1" Hex, 4mm	1" Star, Tamperproof T-7H
1" Hex, 5mm	1" Star, Tamperproof T-8H
1" Hex, 6mm	1" Star, Tamperproof T-9H
1" Phillips, #0	1" Star, Tamperproof T-10H
1" Phillips, #1	1" Star, Tamperproof T-15H
1" Phillips, #2	1" Star, Tamperproof T-20H
1" Phillips, #3	1" Star, Tamperproof T-25H
1" Pozi, PZ0	1" Star, Tamperproof T-27H
1" Pozi, PZ1	1" Star, Tamperproof T-30H
1" Pozi, PZ2	1" Star, Tamperproof T-40H
1" Pozi, PZ3	2" Phillips, #2
1" Slotted, 0-1	2" Slotted, 6-8
1" Slotted, 3-4	Chuck, 1/4" Quick-Change
1" Slotted, 5-6	Driver, 1/4" Comfort-Grip

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

32 PC. 1/4 IN. DR. INSERT BIT SET

BK **775-1561**

Contents

Description	Description
Adapter	Square, #1
Driver, 1/4"	Square, #2
Hex, 5/32"	Square, #3
Hex, 3/16"	Star, T10
Hex, 7/32"	Star, T15
Hex, 1/4"	Star, T20
Phillips, #1	Star, T25
Phillips, #2	Star, T27
Phillips, #3	Star, T30
Phillips, Power #2	Star, T40
Phillips, Power #3	Star, Power T10
Slotted, 6-8	Star, Power T15
Slotted, 8-10	Star, Power T20
Slotted, 10-12	Star, Power T25
Slotted, Power 8-10	Star, Power T30
Slotted, Power 10-12	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Insert Bit Drivers & Sets

EVERCRAFT

LED BIT DRIVER WITH 30 BITS

Improved design offers higher lumens, oversized handle and more bits.

- Oversized ergonomic non-slip molded handle
- Power switch is now positioned near the working end to reduce accidental on/off
- Features dual size bit driver for 1/4 in. and 5/32 in. precision bits stored in a convenient organizing case
- Includes 30 bits: 14 Precision: Slotted" 1.0, 1.5, 2/0, 2.5mm, Phillips #000, #00, #0, #1, Hex: 1.5, 2, 2.5, 3mm, 3/32, 1/8 inch
- 16 Standard: Phillips: #0, #1, #2, #3, Slotted: 3, 4, 5, 6, 7mm, Star: T10, T15, T20, T25, Hex: 5/32, 3/16 and 1/4 inch

BK **774-1166**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

26 PC. RATCHETING PRECISION SCREWDRIVER SET

- Chrome-plated, polished finish
- Magnetic

BK **774-0237**

LENOX

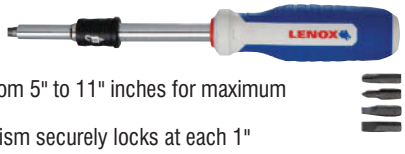
6-IN-1 NUT DRIVERS

- Hex Bolster with Max Leverage Hole: for maximum torque with wrench.
- Optimized Grip Zones: Heavy texture mid-zone provides maximum torque. Low texture base zones provide speed and precision.
- Sizes included: 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

VG **LXHT60904**

LENOX

MULTI-BIT DRIVER



- Driver shaft extends from 5" to 11" inches for maximum versatility.
- Quick-locking mechanism securely locks at each 1" increment (7 Lengths)
- Optimized Grip Zones: Heavy texture mid-zone provides maximum torque. Low texture base zones provide speed and precision.
- Integrated bit holder accepts insert and power bits
- Sizes Included: PH 1, PH2, PH3, SL 6-8, SL 8-11

VG **LXHT60925**

IRWIN

8-IN-1 MULTI-TOOL

- Magnetic shank holds bits securely in place
- ProTouch™ Grip provides maximum torque and comfort and is slip resistant
- Internal Storage keeps bits and nut setters locked in place and close at hand

VG **4935586**

IRWIN

9-IN-1 MULTI-TOOL

- ProTouch™ Grip for maximum torque
- Internal bit & nut driver storage
- S-2 grade steel for extended life

VG **2051100CD**

LENOX

8-IN-1 RATCHETING SCREWDRIVER

- Accepts Standard Bits: Magnetized bit holder is compatible with insert bits and power bits for convenient replacement.
- Ratcheting: Allows the user to turn the driver without stopping to adjust wrist position.
- Optimized Grip Zones: Heavy texture mid-zone provides maximum torque. Low texture base zones provide speed and precision.
- Sizes Included: PH #1, PH #2, T25, SQ #2, SL 8-10, 1/4" Nut Driver, 3/8" Nut Driver, 5/16" Nut Driver

VG **LXHT60902**

CARLYLE TOOLS by NAPA

19-IN-1 RATCHETING DRIVER BIT SET

Includes ratcheting screwdriver handle with storage and features comfort grip handle and CR-V bits for maximum strength and durability. Includes two nut driver sizes on tube (1/4" x 5/16") and nut driver on ratchet (7/16"). Shaft length: 4.5".

CHT **RDBS19**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

GEARWRENCH

APX **80191R**

APX **80061R**

PROFESSIONAL MULTI-BIT DRIVERS

GEARWRENCH Multi-Bit Drivers deliver a level of quality and features not present in most multi-bit drivers. Designed for professional tool users, they feature the convenience of typical multi-drivers, but with full metal, high torque ratchet mechanisms – for greater strength and faster driving – plus oil and solvent-resistant dual-material grips for superior comfort and control.

- End Cap Bit Storage Keeps bits organized and easily accessible
- Dual material grip Provides superior comfort and control, and is oil and solvent resistant
- Full Metal, High Torque Ratchet For greater strength and faster driving
- Plated Shaft and Bits For corrosion-resistance

Item No.	Description
APX **80061R**	19-in-1 Ratcheting Multi-Bit Driver
APX **80191R**	6-in-1 Stubby Ratcheting Multi-Bit Driver

WARNING: Always wear protective eyewear when using hand tools and accessories.

CRAFTSMAN

QUICK CHANGE PUSH & PICK MULTI-BIT SCREWDRIVER

Increase productivity with this Quick Change Push & Pick Multi-Bit Screwdriver. The ergonomic shape of the handle offers twisting force for three different applications; a speed-zone for quick rotation, a torque-zone for added grip in heavy torque applications, and a precision tactile zone for tasks requiring more rotation control.

Includes: SQ1 - SL 1/4"

CTM **CMHT68006**

CRAFTSMAN

18 PC. PRECISION MULTI-BIT SCREWDRIVER SET

Designed for precision work, the 18-in-1 Precision Multi-Bit Screwdriver Set features a durable 5-in. aluminum handle. Stay organized with the on-board storage rack, keeping all your bits in one place.

CTM **CMHT68005**

EVERCRAFT

38 PC. DOUBLE DRIVE FULL SIZE SCREWDRIVER SET

Evercraft's 38 piece ratcheting screwdriver set features a double-drive ratchet design that is twice as efficient as an ordinary ratchet. All tools are well packed by a pouch which makes them convenient to carry and portable for use.

- Internal bit storage holds up to 5 bits
- Ergonomic and non-slip handle provides easy operation, maximum comfort and exceptional torque
- Plug-pull tip design allows you to install and replace bits while being time-saving and efficient
- Bits are made of chrome-vanadium steel and hardened for maximum wear resistance, durable and high quality
- Case included
- Pozi, Phillips, Slotted, Star, Torx® and Square Screwdriver types

BK **774-0246**

EVERCRAFT

24-IN-1 AUTOLOAD RATCHETING SCREWDRIVER SET

Evercraft's 24-in-1 ratcheting screwdriver set features a plug-pull tip and an auto-load design that allows you to easily install and replace the bits which is time-saving and efficient.

- Internal bit storage holds up to 6 bits
- Durable dual-material handle with comfort grip
- Handy plastic rack keeps the screwdrivers organized and it is easy to carry or store
- Bits are made of chrome-vanadium steel and hardened for maximum wear resistance, durable and high quality

BK **774-0247**

EVERCRAFT

4-IN-1 SCREWDRIVER

Four screwdrivers at your fingertips. Interchangeable handle with two Slotted and two Phillips heads.

BK **775-5000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GEARWRENCH

RATCHETING LED SCREWDRIVER

- 45-tooth ratcheting mechanism with forward, reverse and lock positions
- 2-Position handle - straight or pistol grip
- 2 Led lights to illuminate work area

APX **82788**

EVERCRAFT

1/4 IN. IN. BIT DRIVER

Durable chrome vanadium steel construction with comfort-grip handles.

BK **774-5035**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CRESCENT

U-GUARD™ BIT HOLDER WITH #2 PHILLIPS® BITS

The Crescent APEX® line enhances durability, extends life and improves tool fit for professional tradesmen. We spent countless hours with our in-house metallurgical team to enhance the heat treatment process, ensuring our products meet and exceed user durability and life requirements.

- Non-marring cover protects from scratching or damages
- Free spinning sleeve enhances control and safety
- Full body design for greater strength and durability
- Optimized tip geometry for exact fastener fitment

Contains: u-GUARD™ Bit Holder with #2 Phillips® Bits

APX **CAUGK-15**

DEWALT

DEW **DW2054**

MAGNETIC DRIVE GUIDES

Item No.	Description	Qty.
DEW **DW2054**	Compact Magnetic Drive Guide	1
DEW **DW2055**	6" Magnetic Drive Guide	1

WARNING: Always wear protective eyewear when using hand tools and accessories.

Insert Bits & Sets

SHOCKWAVE™ 6 IN. MAGNETIC BIT TIP HOLDER

- 2-Piece construction withstands abuse in impact applications
- Strong magnetic tip holds fasteners to the drive guide
- C-ring retains the insert bit

Features

- For use with 1 in. insert style driver bits
- Designed for use in impact drivers and drill driver
- Internal Shockzone™ absorbs peak torque and prevents breaking
- Custom Alloy76™ steel engineered for extended life
- Provides up to 30X life

MIL **48-32-4511**

SHOCKWAVE™ 3 PC. IMPACT MAGNETIC DRIVE GUIDE SET

- Use with Milwaukee SHOCKWAVE™ Impact Duty™ Insert Bits
- 2-Piece construction withstands abuse in impact applications
- Strong magnetic tip holds fasteners to the drive guide
- C-ring retains the insert bit

Features

- Laser etched depth gauge for increased fastener control
- For use with 1 in. insert style driver bits
- Designed for use in impact drivers and drill driver
- Internal Shockzone™ absorbs peak torque and prevents breaking
- Custom Alloy76™ steel engineered for extended life
- Provides up to 30X life

Includes: (1) 6" Magnetic Drive Guide, (1) 4" Magnetic Drive Guide, (1) 3" Magnetic Drive Guide

MIL **48-32-4519**

SHOCKWAVE™ RIGHT ANGLE ADAPTER

- 1.4 in. slim profile for tight access
- Hardened gears allow for increased torque transfer
- Features a magnet to retain bits

Features

- For use with 1/4 in. hex shank accessories
- Ergonomic rubber overmold for added comfort during use
- Designed for use in impact drivers and drill driver
- Internal Shockzone™ absorbs peak torque and prevents breaking
- Custom Alloy76™ steel engineered for extended life
- Provides up to 30X life

MIL **48-32-2390**

1/4 IN. QUICK-CHANGE BIT CHUCK

Securely holds 1/4" insert bits in extensions used with variable-speed drills.

BK **775-5994**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

QUICK-RELEASE BIT HOLDER

Patented quick change bit mechanism is quick and easy to use.

- Durable and dependable
- 1/4 inch hex fits most drills, drivers and bit drivers
- One handed operation – press the bit into the holder to engage, then simply pull the collar back to eject the bit

BK **774-1167**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/4 IN. MAGNETIC BIT HOLDER

Serves as an extension for magnetic screwdrivers. Connects 1/4" hex shank insert bits to variable-speed drills.

BK **775-5958**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

1/4 & 3/8 IN. DR. BIT HOLDERS

BK **775-5922** — 1/4" Sq. Dr. to 1/4" Hex

BK **775-5957** — 3/8" Sq. Dr. to 5/16" Hex

BK **775-5922** *BK* **775-5957**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

VERSA-DRIVE INSERT BIT DRIVE ADAPTER

The Versa-Drive adapters allow users to easily switch between sockets and hex bits without having to switch adapters. The Versa-Drive incorporates the hex drive into the square socket head itself allowing users to go back and forth between bit and socket without ever removing the adapter from the tool.

- For torques up to 167 ft/lbs or 2,000 in/lbs
- Impact rated for use in 1/4" cordless and pneumatic impact drivers
- 1/4" hex shank adapters
- 1/2" drive adapter with 5/16" hex for bits
- 3/8" drive adapter with 1/4" hex for bits

CHT **VDAS**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3 PC. VORTEX™ IMPACT SOCKET ADAPTER SET

The Crescent APEX® line enhances durability, extends life and improves tool fit for professional tradesmen. We spent countless hours with our in-house metallurgical team to enhance the heat treatment process, ensuring our products meet and exceed user durability and life requirements.

- Torsion design delivers maximum performance for impact applications
- Optimized tip geometry for best fit
- Chrome molybdenum alloy steel (Cr-Mo) for exceptional strength and long lasting durability
- Proprietary heat treat process maximizes bit life

Contains: 1/4", 3/8", 1/2" Adapters

APX **CAVAD2R-3**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Milwaukee

SHOCKWAVE™ HEX SHANK SOCKET ADAPTER SET

- Socket Adapter included: 1/4", 1/2", 3/8"
- Heavy-duty construction for fastening capabilities in all impacts

Features

- Designed for use in impact drivers and drill driver
- Internal Shockzone™ absorbs peak torque and prevents breaking
- Custom Alloy76™ steel engineered for extended life
- Up to 10X more life than standard adapters

Includes: (1) 1/2" Socket Adapter, (1) 1/4" Socket Adapter, (1) 3/8" Socket Adapter

MIL **48-32-5033**

DEWALT

RAPID LOAD® QUICK SOCKET ADAPTERS

DEW **DW2541**

Item No.	Description
DEW **DW2541**	1/4" Socket Adapter
DEW **DW2542**	3/8" Socket Adapter

EVERCRAFT

6 PC. POWER TOOL ADAPTER SET

Transform any drill into a power nut driver with these three impact grade steel square socket adapters: 1/4, 3/8 and 1/2 inch.

- All 3 have built-in detent balls to help hold your sockets in place during use
- 6" x 1/4" hex head flex extension bar has free-spinning collar and detent ball to hold bits securely in place
- The included quick-change adapter fits any brand of drill to help you easily switch between all hex shaft drill and driver bits

BK **774-1171**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

BK **774-1150**

BK **774-1155**

1/4 IN. DR. 6 PT. DEEP WELL SOCKETS

- Polished chrome socket openings are designed to reduce fastener rounding
- Recessed edges
- CR-V alloy steel construction for strength and durability
- Chrome plated finish resists corrosion
- Large stamping for quick identification

Item No.	Socket Size
BK **774-1150**	5mm
BK **774-1151**	6mm
BK **774-1152**	7mm
BK **774-1153**	8mm
BK **774-1154**	9mm
BK **774-1155**	10mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

33 PC. INSERT BIT SET

BK **775-1562**

Contents

Qty.	Description
1	1" Hex, 5/32"
1	1" Hex, 3/16"
1	1" Hex, 7/32"
1	1" Hex, 1/4"
1	1" Phillips, #1
2	1" Phillips, #2
1	1" Phillips, #3
1	1" Slotted, 6-8
1	1" Slotted, 8-10
1	1" Slotted, 10-12
1	1" Square, #1
1	1" Square, #2
1	1" Square, #3
1	1" Star, T10
1	1" Star, T15

Qty.	Description
1	1" Torx, T25
1	1" Torx, T20
1	1" Torx, T30
1	1" Torx, T40
1	2" Phillips, #1
1	2" Phillips, #2
1	2" Phillips, #3
1	2" Slotted, 6-8
1	2" Slotted, 8-10
1	2" Slotted, 10-12
1	2" Star, T27
1	2" Star, T30
1	2" Star, T40
1	Extension, Super-Magnetic Zinc Bit
3	PE Holder

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/4 IN. DR. INSERT BITS

Length: 4".

BK **775-5995**

BK **775-5997**

Item No.	Description
BK **775-5995**	Phillips #1, 100mm
BK **775-5996**	Phillips #2, 100mm
BK **775-5997**	Slotted 6-8, 100mm
BK **775-5998**	Slotted 8-10, 100mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5/16 IN. DR. INSERT BITS

Length: 2".

EVERCRAFT

BK **775-5977**

BK **775-5985**

BK **775-5968**

Item No.	Description
BK **775-5977**	Hex, 1/4"
BK **775-5985**	Slotted, 12-14
BK **775-5968**	Star, T-45
BK **775-5969**	Star, T-47
BK **775-5970**	Star, T-50
BK **775-5971**	Star, T-55

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Insert Bits & Sets

EVERCRAFT

BK **775-5920**

BK **775-5926**

BK **775-5900**

BK **775-5913**

1/4 IN. DR. INSERT BITS

These 1/4" hex bits fit magnetic screwdriver handles. Length: 1". Card of two.

BK **775-5903**

BK **775-5923**

BK **775-5911**

Item No.	Description
BK **775-5920**	Clutch, 5/32"
BK **775-5921**	Clutch, 3/16"
BK **775-5926**	Hex, 1/8"
BK **775-5927**	Hex, 9/64"
BK **775-5928**	Hex, 5/32"
BK **775-5929**	Hex, 3/16"
BK **775-5930**	Hex, 7/32"
BK **775-5931**	Hex, 1/4"
BK **775-5932**	Hex, 5/16"
BK **775-5900**	Phillips, #1
BK **775-5901**	Phillips, #2
BK **775-5902**	Phillips, #3
BK **775-5913**	Robertson, #1 & #2
BK **775-5903**	Slotted, 3-4
BK **775-5904**	Slotted, 4-5
BK **775-5905**	Slotted, 5-6
BK **775-5906**	Slotted, 6-8
BK **775-5907**	Slotted, 8-10
BK **775-5908**	Slotted, 10-12
BK **775-5923**	Square, #1
BK **775-5924**	Square, #2
BK **775-5925**	Square, #3

Item No.	Description
BK **775-5909**	Star, T-7
BK **775-5910**	Star, T-8
BK **775-5911**	Star, T-9
BK **775-5912**	Star, T-10
BK **775-5914**	Star, T-15
BK **775-5915**	Star, T-20
BK **775-5916**	Star, T-25
BK **775-5917**	Star, T-27
BK **775-5918**	Star, T-30
BK **775-5919**	Star, T-40
BK **775-5933**	Star, Tamper-proof T-10H
BK **775-5934**	Star, Tamper-proof T-15H
BK **775-5935**	Star, Tamper-proof T-20H
BK **775-5936**	Star, Tamper-proof T-25H
BK **775-5937**	Star, Tamper-proof T-27H
BK **775-5938**	Star, Tamper-proof T-30H
BK **775-5939**	Star, Tamper-proof T-40H

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

BK **775-5989**

BK **775-5992**

BK **775-5972**

BK **775-5978**

BK **775-5990**

BK **775-5982**

BK **775-5986**

BK **775-5961**

1/4 IN. DR. INSERT BITS

Length: 2".

Item No.	Description
BK **775-5989**	Adapter
BK **775-5992**	Combo Double End, 6-8 Slotted (7/32") x #2 Phillips
BK **775-5993**	Combo Double End, 8-10 Slotted (9/32") x #3 Phillips
BK **775-5972**	Hex 1/8"
BK **775-5973**	Hex 5/32"
BK **775-5974**	Hex 3/16"
BK **775-5975**	Hex 7/32"
BK **775-5976**	Hex 1/4"
BK **775-5978**	Phillips #1
BK **775-5979**	Phillips #2
BK **775-5980**	Phillips #3
BK **775-5981**	Phillips #4

Item No.	Description
BK **775-5990**	Phillips Double End, #2 x #2
BK **775-5991**	Phillips Double End, #3 x #3
BK **775-5982**	Slotted 6-8
BK **775-5983**	Slotted 8-10
BK **775-5984**	Slotted 10-12
BK **775-5986**	Square #1
BK **775-5987**	Square #2
BK **775-5988**	Square #3
BK **775-5961**	Star T-10
BK **775-5962**	Star T-15
BK **775-5963**	Star T-20
BK **775-5964**	Star T-25
BK **775-5965**	Star T-27
BK **775-5966**	Star T-30
BK **775-5967**	Star T-40

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

5/16 IN. DR. INSERT BITS

These 5/16" hex bits fit magnetic screwdriver handles. Length: 1". Card of two.

BK **775-5943**

BK **775-5947**

BK **775-5951**

Item No.	Description
BK **775-5943**	Phillips, #1
BK **775-5944**	Phillips, #2
BK **775-5945**	Phillips, #3
BK **775-5946**	Phillips, #4
BK **775-5947**	Slotted, 4-5
BK **775-5948**	Slotted, 6-8
BK **775-5949**	Slotted, 8-10
BK **775-5950**	Slotted, 12-14
BK **775-5951**	Star, T-30
BK **775-5952**	Star, T-40

Item No.	Description
BK **775-5953**	Star, T-45
BK **775-5954**	Star, T-47
BK **775-5955**	Star, T-50
BK **775-5956**	Star, T-55
BK **775-5940**	Star, Tamper-proof T-45H
BK **775-5941**	Star, Tamper-proof T-50H
BK **775-5942**	Star, Tamper-proof T-55H

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

46 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. MASTER STAR / BIT SOCKET SET

Patented S-2 steel for superior durability and strength. Includes blow molded case.

CHT **BSTIB46**

Contents

Item No.	Description
CHT **S14T8**	1/4" Dr. T-8 Star
CHT **S14T10**	1/4" Dr. T-10 Star
CHT **S14T15**	1/4" Dr. T-15 Star
CHT **S14T20**	1/4" Dr. T-20 Star
CHT **S14T25**	1/4" Dr. T-25 Star
CHT **S14T27**	1/4" Dr. T-27 Star
CHT **S38T30**	3/8" Dr. T-30 Star
CHT **S38T40**	3/8" Dr. T-40 Star
CHT **S38T45**	3/8" Dr. T-45 Star
CHT **S38T50**	3/8" Dr. T-50 Star
CHT **S38T55**	3/8" Dr. T-55 Star
CHT **S12T60**	1/2" Dr. T-60 Star
CHT **S14T8H**	1/4" Dr. T-8H Tamper-Proof Star
CHT **S14T10H**	1/4" Dr. T-10H Tamper-Proof Star
CHT **S14T15H**	1/4" Dr. T-15H Tamper-Proof Star
CHT **S14T20H**	1/4" Dr. T-20H Tamper-Proof Star
CHT **S14T25H**	1/4" Dr. T-25H Tamper-Proof Star
CHT **S14T27H**	1/4" Dr. T-27H Tamper-Proof Star
CHT **S38T30H**	3/8" Dr. T-30H Tamper-Proof Star
CHT **S38T40H**	3/8" Dr. T-40H Tamper-Proof Star
CHT **S38T45H**	3/8" Dr. T-45H Tamper-Proof Star
CHT **S38T50H**	3/8" Dr. T-50H Tamper-Proof Star
CHT **S38T55H**	3/8" Dr. T-55H Tamper-Proof Star
CHT **S14E4**	1/4" Dr. E-4 External Star Socket
CHT **S14E5**	1/4" Dr. E-5 External Star Socket
CHT **S14E6**	1/4" Dr. E-6 External Star Socket
CHT **S14E7**	1/4" Dr. E-7 External Star Socket
CHT **S14E8**	1/4" Dr. E-8 External Star Socket
CHT **S38E10**	3/8" Dr. E-10 External Star Socket
CHT **S38E12**	3/8" Dr. E-12 External Star Socket
CHT **S38E14**	3/8" Dr. E-14 External Star Socket
CHT **S38E16**	3/8" Dr. E-16 External Star Socket
CHT **S12E18**	1/2" Dr. E-18 External Star Socket
CHT **S12E20**	1/2" Dr. E-20 External Star Socket
CHT **S14TP8**	1/4" Dr. TP-8 Star Plus
CHT **S14TP10**	1/4" Dr. TP-10 Star Plus
CHT **S14TP15**	1/4" Dr. TP-15 Star Plus
CHT **S14TP20**	1/4" Dr. TP-20 Star Plus
CHT **S14TP25**	1/4" Dr. TP-25 Star Plus
CHT **S14TP27**	1/4" Dr. TP-27 Star Plus
CHT **S38TP30**	3/8" Dr. TP-30 Star Plus
CHT **S38TP40**	3/8" Dr. TP-40 Star Plus
CHT **S38TP45**	3/8" Dr. TP-45 Star Plus
CHT **S38TP50**	3/8" Dr. TP-50 Star Plus
CHT **S38TP55**	3/8" Dr. TP-55 Star Plus
CHT **S12TP60**	1/2" Dr. TP-60 Star Plus

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

www.carlyletools.com/products/bit-sockets

41 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. MASTER STAR / HEX SET

Mirror polish chrome-plated sockets resist rust while precision designed bit tips ensure accurate fastener fit. Includes blow molded case.

CHT **BSTH41**

Contents

Item No.	Description
CHT **S14T8**	1/4" Dr. T-8 Star
CHT **S14T10**	1/4" Dr. T-10 Star
CHT **S14T15**	1/4" Dr. T-15 Star
CHT **S14T20**	1/4" Dr. T-20 Star
CHT **S14T25**	1/4" Dr. T-25 Star
CHT **S14T27**	1/4" Dr. T-27 Star
CHT **S38T30**	3/8" Dr. T-30 Star
CHT **S38T40**	3/8" Dr. T-40 Star
CHT **S38T45**	3/8" Dr. T-45 Star
CHT **S38T50**	3/8" Dr. T-50 Star
CHT **S38T55**	3/8" Dr. T-55 Star
CHT **S12T60**	1/2" Dr. T-60 Star
CHT **S14T8H**	1/4" Dr. T-8H Tamper-Proof Star
CHT **S14T10H**	1/4" Dr. T-10H Tamper-Proof Star
CHT **S14T15H**	1/4" Dr. T-15H Tamper-Proof Star
CHT **S14T20H**	1/4" Dr. T-20H Tamper-Proof Star
CHT **S14T25H**	1/4" Dr. T-25H Tamper-Proof Star
CHT **S14T27H**	1/4" Dr. T-27H Tamper-Proof Star
CHT **S38T30H**	3/8" Dr. T-30H Tamper-Proof Star - WI
CHT **S38T40H**	3/8" Dr. T-40H Tamper-Proof Star
CHT **S38T45H**	3/8" Dr. T-45H Tamper-Proof Star
CHT **S38T50H**	3/8" Dr. T-50H Tamper-Proof Star
CHT **S38T55H**	3/8" Dr. T-55H Tamper-Proof Star
CHT **SH3804**	3/8" Dr. 1/8" Hex
CHT **SH3805**	3/8" Dr. 5/32" Hex
CHT **SH3806**	3/8" Dr. 3/16" Hex
CHT **SH3807**	3/8" Dr. 7/32" Hex
CHT **SH3808**	3/8" Dr. 1/4" Hex
CHT **SH3810**	3/8" Dr. 5/16" Hex
CHT **SH3812**	3/8" Dr. 3/8" Hex
CHT **SH3804M**	3/8" Dr. 4mm Hex
CHT **SH3805M**	3/8" Dr. 5mm Hex
CHT **SH3806M**	3/8" Dr. 6mm Hex
CHT **SH3807M**	3/8" Dr. 7mm Hex
CHT **SH3808M**	3/8" Dr. 8mm Hex
CHT **SH3809M**	3/8" Dr. 9mm Hex
CHT **SH3810M**	3/8" Dr. 10mm Hex
CHT **SH1212M**	1/2" Dr. 12mm Hex
CHT **SH1214M**	1/2" Dr. 14mm Hex
CHT **SH1217M**	1/2" Dr. 17mm Hex
CHT **SH1219M**	1/2" Dr. 19mm Hex

WARNING: Always wear protective eyewear when using hand tools and accessories.

Bit Sockets

CRAFTSMAN

42 PC. 1/4 IN. & 3/8 IN. DR. HEX & TORX BIT SOCKET SET

- Corrosion Resistance: Full Polish Chrome Finish
- Increased Accessibility and Maximum Performance: Set includes various extensions
- Quick Fastening: When Bit Socket is used with Ratchet
- Quick Size Identification: Large Markings
- Meets or Exceeds ASME Specifications

CTM **CMMT34912**

CARLYLE TOOLS by NAPA

12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. LONG STAR BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed star tips ensure accurate fastener fit. Long star end allows for entry in hard to reach areas. Includes blow molded case.

CHT **BSLT12**

Contents

Item No.	Description	Item No.	Description
CHT **S14LT8**	1/4" Dr. T-8	*CHT* **S38LT30**	3/8" Dr. T-30
CHT **S14LT10**	1/4" Dr. T-10	*CHT* **S38LT40**	3/8" Dr. T-40
CHT **S14LT15**	1/4" Dr. T-15	*CHT* **S12LT45**	1/2" Dr. T-45
CHT **S14LT20**	1/4" Dr. T-20	*CHT* **S12LT50**	1/2" Dr. T-50
CHT **S14LT25**	1/4" Dr. T-25	*CHT* **S12LT55**	1/2" Dr. T-55
CHT **S38LT27**	3/8" Dr. T-27	*CHT* **S12LT60**	1/2" Dr. T-60

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

13 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. STAR BIT SOCKET SET

CHT **BST13**

Contents

Item No.	Description	Item No.	Description
CHT **S14T8**	1/4" Dr. T-8	*CHT* **S38T40**	3/8" Dr. T-40
CHT **S14T10**	1/4" Dr. T-10	*CHT* **S38T45**	3/8" Dr. T-45
CHT **S14T15**	1/4" Dr. T-15	*CHT* **S38T47**	3/8" Dr. T-47
CHT **S14T20**	1/4" Dr. T-20	*CHT* **S38T50**	3/8" Dr. T-50
CHT **S14T25**	1/4" Dr. T-25	*CHT* **S38T55**	3/8" Dr. T-55
CHT **S14T27**	1/4" Dr. T-27	*CHT* **S12T60**	1/2" Dr. T-60
CHT **S38T30**	3/8" Dr. T-30		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

13 PC. 1/4 IN. & 3/8 IN. DR. TORX BIT SOCKET SET

- Corrosion Resistance: Full Polish Chrome Finish
- Increased Accessibility and Maximum Performance: Set includes various extensions
- Quick Fastening: When Bit Socket is used with Ratchet
- Quick Size Identification: Large Markings
- Meets or Exceeds ASME Specifications

CTM **CMMT49294**

CRAFTSMAN

7 PC.1/4 IN. & 3/8 IN. DR. TORX BIT SOCKETS

7 pc. Torx Bit Sockets are durably constructed torx bits providing the end user to use a ratchet or driver on Torx fasteners.

CTM **CMMT34449**

EVERCRAFT™

12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. STAR BIT SOCKET SET

Chrome-plated steel sockets resist rust while precision designed bit tips ensure accurate fastener fit.

BK **774-2014**

Contents

Item No.	Description	Item No.	Description
BK **774-2002**	1/4" Dr. T8	*BK* **774-2008**	3/8" Dr. T30
BK **774-2003**	1/4" Dr. T10	*BK* **774-2009**	3/8" Dr. T40
BK **774-2004**	1/4" Dr. T15	*BK* **774-2010**	3/8" Dr. T45
BK **774-2005**	1/4" Dr. T20	*BK* **774-2011**	3/8" Dr. T50
BK **774-2006**	1/4" Dr. T25	*BK* **774-2012**	3/8" Dr. T55
BK **774-2007**	1/4" Dr. T27	*BK* **774-2013**	1/2" Dr. T60

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. STAR PLUS BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed star plus tips ensure accurate fastener fit.

CHT **BSTP12**

Contents

Item No.	Description	Item No.	Description
CHT **S14TP8**	1/4" Dr. TP-8	*CHT* **S38TP30**	3/8" Dr. TP-30
CHT **S14TP10**	1/4" Dr. TP-10	*CHT* **S38TP40**	3/8" Dr. TP-40
CHT **S14TP15**	1/4" Dr. TP-15	*CHT* **S38TP45**	3/8" Dr. TP-45
CHT **S14TP20**	1/4" Dr. TP-20	*CHT* **S38TP50**	3/8" Dr. TP-50
CHT **S14TP25**	1/4" Dr. TP-25	*CHT* **S38TP55**	3/8" Dr. TP-55
CHT **S14TP27**	1/4" Dr. TP-27	*CHT* **S12TP60**	1/2" Dr. TP-60

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

13 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. TAMPER-PROOF STAR BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed tamper proof star tips ensure accurate fastener fit.

CHT **BSTH13**

Contents

Item No.	Description	Item No.	Description
CHT **S14T7H**	1/4" Dr. T-7H	*CHT* **S38T30H**	3/8" Dr. T-30H
CHT **S14T8H**	1/4" Dr. T-8H	*CHT* **S38T40H**	3/8" Dr. T-40H
CHT **S14T10H**	1/4" Dr. T-10H	*CHT* **S38T45H**	3/8" Dr. T-45H
CHT **S14T15H**	1/4" Dr. T-15H	*CHT* **S38T50H**	3/8" Dr. T-50H
CHT **S14T20H**	1/4" Dr. T-20H	*CHT* **S38T55H**	3/8" Dr. T-55H
CHT **S14T25H**	1/4" Dr. T-25H	*CHT* **S12T60H**	1/2" Dr. T-60H
CHT **S14T27H**	1/4" Dr. T-27H		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 PC. 1/4 IN. & 3/8 IN. DR. TAMPER-PROOF TORX BIT SOCKET SET

- Corrosion Resistant: Chrome finish for corrosion resistance
- Quick Fastening: Bit socket allows for quick fastening when used with ratchet
- Easy Identification: Large markings for quick combination wrench identification
- Meets or Exceeds ASME Specifications

Includes: 1/4" Dr Tamper proof Torx Bit Sockets -TT7, TT8, TT10, TT27 and 3/8" Dr Tamper proof Torx Bit Socket - TT55

CTM **CMMT42616**

12 PC. 1/4 IN. & 3/8 IN. DR. TAMPER-RESISTANT TORX BIT SOCKET SET

- Corrosion Resistance: Full Polish Chrome Finish
- Increased Accessibility and Maximum Performance: Set includes various extensions
- Quick Fastening: When Bit Socket is used with Ratchet
- Quick Size Identification: Large Markings
- Meets or Exceeds ASME Specifications

CTM **CMMT49293**

23 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. MASTER STAR TAMPER-PROOF 5 STAR PLUS SET

Mirror polish chrome-plated sockets resist rust while precision designed bit tips ensure accurate fastener fit. Includes blow molded case.

CHT **BSTP23**

Contents

Item No.	Description
CHT **S14TP8**	1/4" Dr. TP-8 Star Plus
CHT **S14TP10**	1/4" Dr. TP-10 Star Plus
CHT **S14TP15**	1/4" Dr. TP-15 Star Plus
CHT **S14TP20**	1/4" Dr. TP-20 Star Plus
CHT **S14TP25**	1/4" Dr. TP-25 Star Plus
CHT **S14TP27**	1/4" Dr. TP-27 Star Plus
CHT **S38TP30**	3/8" Dr. TP-30 Star Plus
CHT **S38TP40**	3/8" Dr. TP-40 Star Plus
CHT **S38TP45**	3/8" Dr. TP-45 Star Plus
CHT **S38TP50**	3/8" Dr. TP-50 Star Plus
CHT **S38TP55**	3/8" Dr. TP-55 Star Plus
CHT **S12TP60**	1/2" Dr. TP-60 Star Plus
CHT **S14TS8H**	1/4" Dr. TS-8H Tamper-Proof 5 Star Plus
CHT **S14TS10H**	1/4" Dr. TS-10H Tamper-Proof 5 Star Plus
CHT **S14TS15H**	1/4" Dr. TS-15H Tamper-Proof 5 Star Plus
CHT **S14TS20H**	1/4" Dr. TS-20H Tamper-Proof 5 Star Plus
CHT **S14TS25H**	1/4" Dr. TS-25H Tamper-Proof 5 Star Plus
CHT **S14TS27H**	1/4" Dr. TS-27H Tamper-Proof 5 Star Plus
CHT **S14TS30H**	1/4" Dr. TS-30H Tamper-Proof 5 Star Plus
CHT **S38TS40H**	3/8" Dr. TS-40H Tamper-Proof 5 Star Plus
CHT **S38TS45H**	3/8" Dr. TS-45H Tamper-Proof 5 Star Plus
CHT **S38TS50H**	3/8" Dr. TS-50H Tamper-Proof 5 Star Plus
CHT **S38TS55H**	3/8" Dr. TS-55H Tamper-Proof 5 Star Plus

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

11 PC. 1/4 IN. & 3/8 IN. DR. TAMPER-PROOF 5 STAR PLUS BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed tamper proof star plus tips ensure accurate fastener fit.

CHT **BSTTP11**

Contents

Item No.	Description	Item No.	Description
CHT **S14TS8H**	1/4" Dr. TS-8H	*CHT* **S14TS30H**	1/4" Dr. TS-30H
CHT **S14TS10H**	1/4" Dr. TS-10H	*CHT* **S38TS40H**	3/8" Dr. TS-40H
CHT **S14TS15H**	1/4" Dr. TS-15H	*CHT* **S38TS45H**	3/8" Dr. TS-45H
CHT **S14TS20H**	1/4" Dr. TS-20H	*CHT* **S38TS50H**	3/8" Dr. TS-50H
CHT **S14TS25H**	1/4" Dr. TS-25H	*CHT* **S38TS55H**	3/8" Dr. TS-55H
CHT **S14TS27H**	1/4" Dr. TS-27H		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Bit Sockets

11 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. EXTERNAL STAR BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust. Precision designed external star tips ensure accurate fastener fit.

CHT **BSET11**

Contents

Item No.	Description	Item No.	Description
CHT **S14E4**	1/4" Dr. E-4	*CHT* **S38E12**	3/8" Dr. E-12
CHT **S14E5**	1/4" Dr. E-5	*CHT* **S38E14**	3/8" Dr. E-14
CHT **S14E6**	1/4" Dr. E-6	*CHT* **S38E16**	3/8" Dr. E-16
CHT **S14E7**	1/4" Dr. E-7	*CHT* **S12E18**	1/2" Dr. E-18
CHT **S14E8**	1/4" Dr. E-8	*CHT* **S12E20**	1/2" Dr. E-20
CHT **S38E10**	3/8" Dr. E-10		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

42 PC. 1/4 IN. & 3/8 IN. DR. MASTER HEX BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed bit tips ensure accurate fastener fit. Includes blow molded case.

CHT **BSH42**

Contents

Item No.	Description	Item No.	Description
CHT **SHS1404**	1/4" Dr. 1/8" Stubby	*CHT* **SH3807**	3/8" Dr. 7/32"
CHT **SHS1405**	1/4" Dr. 5/32" Stubby	*CHT* **SH3808**	3/8" Dr. 1/4"
CHT **SHS1406**	1/4" Dr. 3/16" Stubby	*CHT* **SH3810**	3/8" Dr. 5/16"
CHT **SHS3807**	3/8" Dr. 7/32" Stubby	*CHT* **SH3812**	3/8" Dr. 3/8"
CHT **SHS3808**	3/8" Dr. 1/4" Stubby	*CHT* **SH3804M**	3/8" Dr. 4mm
CHT **SHS3810**	3/8" Dr. 5/16" Stubby	*CHT* **SH3805M**	3/8" Dr. 5mm
CHT **SHS3812**	3/8" Dr. 3/8" Stubby	*CHT* **SH3806M**	3/8" Dr. 6mm
CHT **SHS1404M**	1/4" Dr. 4mm Stubby	*CHT* **SH3807M**	3/8" Dr. 7mm
CHT **SHS1405M**	1/4" Dr. 5mm Stubby	*CHT* **SH3808M**	3/8" Dr. 8mm
CHT **SHS1406M**	1/4" Dr. 6mm Stubby	*CHT* **SH3809M**	3/8" Dr. 9mm
CHT **SHS3807M**	3/8" Dr. 7mm Stubby	*CHT* **SH3810M**	3/8" Dr. 10mm
CHT **SHS3808M**	3/8" Dr. 8mm Stubby	*CHT* **SHL3804**	3/8" Dr. 1/8" Long
CHT **SHS3809M**	3/8" Dr. 9mm Stubby	*CHT* **SHL3805**	3/8" Dr. 5/32" Long
CHT **SHS3810M**	3/8" Dr. 10mm Stubby	*CHT* **SHL3806**	3/8" Dr. 3/16" Long
CHT **SH3804**	3/8" Dr. 1/8"	*CHT* **SHL3807**	3/8" Dr. 7/32" Long
CHT **SH3805**	3/8" Dr. 5/32"	*CHT* **SHL3808**	3/8" Dr. 1/4" Long
CHT **SH3806**	3/8" Dr. 3/16"	*CHT* **SHL3810**	3/8" Dr. 5/16" Long
		CHT **SHL3812**	3/8" Dr. 3/8" Long
		CHT **SHL3804M**	3/8" Dr. 4mm Long
		CHT **SHL3805M**	3/8" Dr. 5mm Long
		CHT **SHL3806M**	3/8" Dr. 6mm Long
		CHT **SHL3807M**	3/8" Dr. 7mm Long
		CHT **SHL3808M**	3/8" Dr. 8mm Long
		CHT **SHL3809M**	3/8" Dr. 9mm Long
		CHT **SHL3810M**	3/8" Dr. 10mm Long

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

6 PC. 1/4 IN. & 3/8 IN. DR. SAE & METRIC LONG BALL HEX BIT SOCKET SETS

- Corrosion Resistant: Chrome finish for corrosion resistance
- Quick Fastening: Bit socket allows for quick fastening when used with ratchet
- Easy Identification: Large markings for quick combination wrench identification
- Meets or Exceeds ASME Specifications

CTM **CMMT42606**

Item No.	Includes
CTM **CMMT42606**	1/4" Dr Metric Long Ball Hex Bit Sockets SAE - 5/32", 3/16", 7/32", 3/8" Dr Metric Long Ball Hex Bit Sockets SAE -1/4", 5/16", 3/8"
CTM **CMMT42607**	1/4" Dr Metric Long Ball Hex Bit Sockets - 4mm, 5mm, 6mm; 3/8" Dr Metric Long Ball Hex Bit Sockets - 7mm, 8mm, 10mm

8 PC. 3/8 IN. & 1/2 IN. DR. LONG TRIPLE SQUARE BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed hex tips ensure accurate fastener fit. Long triple square end allows for entry in hard to reach areas.

CHT **BSLTS8**

Contents

Item No.	Description	Item No.	Description
CHT **SLTS3804M**	3/8" Dr. 4mm	*CHT* **SLTS3810M**	3/8" Dr. 10mm
CHT **SLTS3805M**	3/8" Dr. 5mm	*CHT* **SLTS1212M**	1/2" Dr. 12mm
CHT **SLTS3806M**	3/8" Dr. 6mm	*CHT* **SLTS1214M**	1/2" Dr. 14mm
CHT **SLTS3808M**	3/8" Dr. 8mm	*CHT* **SLTS1216M**	1/2" Dr. 16mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

11 PC. 1/4 IN & 3/8 IN. DR. X-TRAX SAE HEX BIT SET

Patented gripping edges work with standard recessed hex fasteners, or use at an angle to remove old, stripped, rusted or painted fasteners.

- Includes socket storage rail
- Chrome vanadium steel for strength and durability
- SAE sizes: 1/4 in. Drive x 37mm: 1/16, 5/64, 3/32, 7/64, 1/8 and 5/32 inch
- 3/8 in. drive x 48mm: 3/16, 7/32, 1/4, 5/16, 3/8 inch

BK **774-1169**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

11 PC. 1/4 IN & 3/8 IN. DR. X-TRAX METRIC HEX BIT SET

Patented gripping edges work with standard recessed hex fasteners, or use at an angle to remove old, stripped, rusted or painted fasteners.

- Includes socket storage rail
- Chrome vanadium steel for strength and durability
- Metric sizes: 1/4 in. Drive x 37mm: 1.5, 2, 2.5, 3, 4, 4.5, 5mm
- 3/8 in. drive x 48mm: 5, 6, 8, 10, 12mm

BK **774-1170**

⚠ WARNING: California Proposition 65 - Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SAE

8 PC. 1/4 IN. & 3/8 IN. DR. STUBBY HEX BIT SOCKET SET

Half-cut mirror polish chrome-plated sockets resist rust while precision designed stubby hex tips ensure accurate fastener fit.

CHT **BSSH8**

Contents

Item No.	Description	Item No.	Description
CHT **SHS1404**	1/4" Dr. 1/8"	*CHT* **SHS3807**	3/8" Dr. 7/32"
CHT **SHS14045**	1/4" Dr. 9/64"	*CHT* **SHS3808**	3/8" Dr. 1/4"
CHT **SHS1405**	1/4" Dr. 5/32"	*CHT* **SHS3810**	3/8" Dr. 5/16"
CHT **SHS1406**	1/4" Dr. 3/16"	*CHT* **SHS3812**	3/8" Dr. 3/8"

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

MET

8 PC. 1/4 IN. & 3/8 IN. DR. STUBBY HEX BIT SOCKET SET

Half-cut mirror polish chrome-plated sockets resist rust while precision designed stubby hex tips ensure accurate fastener fit.

CHT **BSSH8M**

Contents

Item No.	Description	Item No.	Description
CHT **SHS1403M**	1/4" Dr. 3mm	*CHT* **SHS3807M**	3/8" Dr. 7mm
CHT **SHS1404M**	1/4" Dr. 4mm	*CHT* **SHS3808M**	3/8" Dr. 8mm
CHT **SHS1405M**	1/4" Dr. 5mm	*CHT* **SHS3809M**	3/8" Dr. 9mm
CHT **SHS1406M**	1/4" Dr. 6mm	*CHT* **SHS3810M**	3/8" Dr. 10mm

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SAE *CHT* **BSH1410**

CHT **SH1404M**

CHT **SHS1405**

1/4 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* **BSH1410** 10 Pc. Hex Bit Set w/Rail	*CHT* **BSH1407M** 7 Pc. Hex Bit Set w/Rail
Hex Bit Sockets			
CHT **SH1402**	1/16"	•	
CHT **SH14025**	5/64"	•	
CHT **SH1403**	3/32"	•	
CHT **SH14035**	7/64"	•	
CHT **SH1404**	1/8"	•	
CHT **SH14045**	9/64"	•	
CHT **SH1405**	5/32"	•	
CHT **SH1406**	3/16"	•	
CHT **SH1407**	7/32"	•	
CHT **SH1408**	1/4"	•	
CHT **SH14015M**	1.5mm		•
CHT **SH1402M**	2mm		•
CHT **SH14025M**	2.5mm		•
CHT **SH1403M**	3mm		•
CHT **SH1404M**	4mm		•
CHT **SH1405M**	5mm		•
CHT **SH1406M**	6mm		•
Stubby Hex Bit Sockets			
CHT **SHS1404**	1/8"		
CHT **SHS14045**	9/64"		
CHT **SHS1405**	5/32"		
CHT **SHS1406**	3/16"		
CHT **SHS1403M**	3mm		
CHT **SHS1404M**	4mm		
CHT **SHS1405M**	5mm		
CHT **SHS1406M**	6mm		

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1/4 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*BK* **774-1959** 9 Pc. Hex Bit Set w/Rail	*BK* **774-1967** 7 Pc. Hex Bit Setw/Rail
BK **774-1950**	1/16"	•	
BK **774-1951**	5/64"	•	
BK **774-1952**	3/32"	•	
BK **774-1953**	7/64"	•	
BK **774-1954**	1/8"	•	
BK **774-1955**	5/32"	•	
BK **774-1956**	3/16"	•	
BK **774-1957**	7/32"	•	
BK **774-1958**	1/4"	•	
BK **774-1960**	1.5 mm		•
BK **774-1961**	2 mm		•
BK **774-1962**	2.5 mm		•
BK **774-1963**	3 mm		•
BK **774-1964**	4 mm		•
BK **774-1965**	5 mm		•
BK **774-1966**	6 mm		•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

BK **774-1959**

SAE

BK **774-1954**

MET

BK **774-1963**

Bit Sockets

CARLYLE TOOLS by NAPA

1/4 IN. DR. STAR BIT SOCKETS

Item No.	Size
Star Bit Sockets	
CHT **S14T8**	T-8
CHT **S14T10**	T-10
CHT **S14T15**	T-15
CHT **S14T20**	T-20
CHT **S14T25**	T-25
CHT **S14T27**	T-27
Long Star Bit Sockets	
CHT **S14LT8**	T-8
CHT **S14LT10**	T-10
CHT **S14LT15**	T-15
CHT **S14LT20**	T-20
CHT **S14LT25**	T-25

CHT **S14T15**

CHT **S14LT15**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

1/4 IN. DR. STAR BIT SOCKETS

Item No.	Size
BK **774-2002**	T8
BK **774-2003**	T10
BK **774-2004**	T15
BK **774-2005**	T20
BK **774-2006**	T25
BK **774-2007**	T2

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DR. STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S14TP8**	TP-8
CHT **S14TP10**	TP-10
CHT **S14TP15**	TP-15
CHT **S14TP20**	TP-20
CHT **S14TP25**	TP-25
CHT **S14TP27**	TP-27

CHT **S14TP8**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DR. TAMPER-PROOF STAR BIT SOCKETS

Item No.	Size
CHT **S14T7H**	T-7H
CHT **S14T8H**	T-8H
CHT **S14T10H**	T-10H
CHT **S14T15H**	T-15H
CHT **S14T20H**	T-20H
CHT **S14T25H**	T-25H
CHT **S14T27H**	T-27H

CHT **S14T15H**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DR. TAMPER-PROOF 5 STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S14TS8H**	TS-8H
CHT **S14TS10H**	TS-10H
CHT **S14TS15H**	TS-15H
CHT **S14TS20H**	TS-20H
CHT **S14TS25H**	TS-25H
CHT **S14TS27H**	TS-27H
CHT **S14TS30H**	TS-30H

CHT **S14TS15H**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

8 PC. 1/4 IN. DR. TAMPER-PROOF STAR BIT SET

BK **775-1564**

Contents

Description	Description
Adapter	T25H
Holder, Black PVC	T27H
T10H	T30H
T15H	T40H
T20H	

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

8 PC. 1/4 IN. DR. STAR BIT SET

BK **775-1563**

Contents

Description	Description
T10	T30
T15	T40
T20	Adapter, Coupler
T25	Holder, Black PVC
T27	

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/4 IN. DR. EXTERNAL STAR BIT SOCKETS

Item No.	Size
CHT **S14E4**	E-4
CHT **S14E5**	E-5
CHT **S14E6**	E-6
CHT **S14E7**	E-7
CHT **S14E8**	E-8

CHT **S14E6**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CRAFTSMAN

6 PC. 3/8 IN. DR. SAE & METRIC HEX BIT SOCKETS

Allows users to speed up any job. These hex bit Socket also have a durable construction for use on stubborn fasteners without rounding.

CTM **CMMT34447**

CTM **CMMT34447** SAE
CTM **CMMT34448** Metric

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **BSH3812**

CHT **SH3808**

CHT **SHL3804M**

CHT **BSLH3807M**

CHT **SHS3810**

3/8 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* **BSH3812** 12 Pc. Hex Bit Set w/Rail	*CHT* **BSH3812M** 12 Pc. Hex Bit Set w/Rail	*CHT* **BSLH3807** 7 Pc. Long Hex Bit Set w/Rail	*CHT* **BSLH3807M** 7 Pc. Long Hex Bit Set w/Rail
Hex Bit Sockets					
CHT **SH3802**	1/16"	•			
CHT **SH38025**	5/64"	•			
CHT **SH3803**	3/32"	•			
CHT **SH38035**	7/64"	•			
CHT **SH3804**	1/8"	•			
CHT **SH38045**	9/64"	•			
CHT **SH3805**	5/32"	•			
CHT **SH3806**	3/16"	•			
CHT **SH3807**	7/32"	•			
CHT **SH3808**	1/4"	•			
CHT **SH3810**	5/16"	•			
CHT **SH3812**	3/8"	•			
CHT **SH3802M**	2mm		•		
CHT **SH38025M**	2.5mm		•		
CHT **SH3803M**	3mm		•		
CHT **SH3804M**	4mm		•		
CHT **SH3805M**	5mm		•		
CHT **SH3806M**	6mm		•		
CHT **SH3807M**	7mm		•		
CHT **SH3808M**	8mm		•		
CHT **SH3809M**	9mm		•		
CHT **SH3810M**	10mm		•		
CHT **SH3811M**	11mm		•		
CHT **SH3812M**	12mm		•		
Long Hex Bit Sockets					
CHT **SHL3804**	1/8"			•	
CHT **SHL3805**	5/32"			•	
CHT **SHL3806**	3/16"			•	
CHT **SHL3807**	7/32"			•	
CHT **SHL3808**	1/4"			•	
CHT **SHL3810**	5/16"			•	
CHT **SHL3812**	3/8"			•	
CHT **SHL3804M**	4mm				•
CHT **SHL3805M**	5mm				•
CHT **SHL3806M**	6mm				•
CHT **SHL3807M**	7mm				•
CHT **SHL3808M**	8mm				•
CHT **SHL3809M**	9mm				•
CHT **SHL3810M**	10mm				•
Stubby Hex Bit Sockets					
CHT **SHS3807**	7/32"				
CHT **SHS3808**	1/4"				
CHT **SHS3810**	5/16"				
CHT **SHS3812**	3/8"				
CHT **SHS3807M**	7mm				
CHT **SHS3808M**	8mm				
CHT **SHS3809M**	9mm				
CHT **SHS3810M**	10mm				

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Bit Sockets

EVERCRAFT™

3/8 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*BK* 774-1976 8 Pc. Hex Bit Set w/Rail	*BK* 774-1985 8 Pc. Hex Bit Set w/Rail
BK **774-1968**	1/8"	•	
BK **774-1969**	9/64"	•	
BK **774-1970**	5/32"	•	
BK **774-1971**	3/16"	•	
BK **774-1972**	7/32"	•	
BK **774-1973**	1/4"	•	
BK **774-1974**	5/16"	•	
BK **774-1975**	3/8"	•	
BK **774-1977**	3mm		•
BK **774-1978**	4mm		•
BK **774-1979**	5mm		•
BK **774-1980**	6mm		•
BK **774-1981**	7mm		•
BK **774-1982**	8mm		•
BK **774-1983**	9mm		•
BK **774-1984**	10mm		•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BK **774-1976**

BK **774-1970** *BK* **774-1980**

CARLYLE TOOLS by NAPA

3/8 IN. DR. BALL HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* BSH3807 7 Pc. Ball Hex Bit Set w/Rail	*CHT* BSH3807M 7 Pc. Ball Hex Bit Set w/Rail	*CHT* BSLB3808M 8 Pc. Long Ball Hex Bit Set w/Rail	*CHT* BSLB3807 7 Pc. Long Ball Hex Bit Set w/Rail
Ball Hex Bit Sockets					
CHT **SHB3804**	1/8"	•			
CHT **SHB3805**	5/32"	•			
CHT **SHB3806**	3/16"	•			
CHT **SHB3807**	7/32"	•			
CHT **SHB3808**	1/4"	•			
CHT **SHB3810**	5/16"	•			
CHT **SHB3812**	3/8"	•			
CHT **SHB3804M**	4mm		•		
CHT **SHB3805M**	5mm		•		
CHT **SHB3806M**	6mm		•		
CHT **SHB3807M**	7mm		•		
CHT **SHB3808M**	8mm		•		
CHT **SHB3809M**	9mm		•		
CHT **SHB3810M**	10mm		•		
Long Ball Hex Bit Sockets					
CHT **SHLB3804**	1/8"				•
CHT **SHLB3805**	5/32"				•
CHT **SHLB3806**	3/16"				•
CHT **SHLB3807**	7/32"				•
CHT **SHLB3808**	1/4"				•
CHT **SHLB3810**	5/16"				•
CHT **SHLB3812**	3/8"				•
CHT **SHLB3803M**	3mm			•	
CHT **SHLB3804M**	4mm			•	
CHT **SHLB3805M**	5mm			•	
CHT **SHLB3806M**	6mm			•	
CHT **SHLB3807M**	7mm			•	
CHT **SHLB3808M**	8mm			•	
CHT **SHLB3809M**	9mm			•	
CHT **SHLB3810M**	10mm			•	

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CHT **BSH3807**

CHT **SHB3812**

CHT **BSLB3808M**

CHT **SHB3808M**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

3/8 IN. DR. STAR BIT SOCKETS

Item No.	Size
Star Bit Sockets	
CHT **S38T30**	T-30
CHT **S38T40**	T-40
CHT **S38T45**	T-45
CHT **S38T47**	T-47
CHT **S38T50**	T-50
CHT **S38T55**	T-55
Long Star Bit Sockets	
CHT **S38LT27**	T-27
CHT **S38LT30**	T-30
CHT **S38LT40**	T-40

CHT **S38T40**

CHT **S38LT30**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

3/8 IN. DR. STAR BIT SOCKETS

Item No.	Size
BK **774-2008**	T30
BK **774-2009**	T40
BK **774-2010**	T45
BK **774-2011**	T50
BK **774-2012**	T55
BK **774-2013**	T60

BK **774-2009**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S38TP30**	TP-30
CHT **S38TP40**	TP-40
CHT **S38TP45**	TP-45
CHT **S38TP50**	TP-50
CHT **S38TP55**	TP-55

CHT **S38TP40**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. TAMPER-PROOF STAR BIT SOCKETS

Item No.	Size
CHT **S38T30H**	T-30H
CHT **S38T40H**	T-40H
CHT **S38T45H**	T-45H
CHT **S38T50H**	T-50H
CHT **S38T55H**	T-55H

CHT **S38T40H**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. TAMPER-PROOF 5 STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S38TS40H**	TS-40H
CHT **S38TS45H**	TS-45H
CHT **S38TS50H**	TS-50H
CHT **S38TS55H**	TS-55H

CHT **S38TS45H**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. EXTERNAL STAR BIT SOCKETS

Item No.	Size
CHT **S38E10**	E-10
CHT **S38E12**	E-12
CHT **S38E14**	E-14
CHT **S38E16**	E-16

CHT **S38E12**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. RIBE POWER BIT SOCKETS & SET

Chrome-plated socket end provides long lasting corrosion protection. For use with Ribe Fasteners. S2 Steel bit for longer life and performance.

Item No.	Size	*CHT* **BSR3822 22 Pc. Set**
CHT **SR38M4**	M4	•
CHT **SLR38M4**	M4 Long	•
CHT **SR38M5**	M5	•
CHT **SLR38M5**	M5 Long	•
CHT **SR38M6**	M6	•
CHT **SLR38M6**	M6 Long	•
CHT **SR38M7**	M7	•
CHT **SLR38M7**	M7 Long	•
CHT **SR38M8**	M8	•
CHT **SLR38M8**	M8 Long	•
CHT **SR38M9**	M9	•
CHT **SLR38M9**	M9 Long	•
CHT **SR38M10**	M10	•
CHT **SLR38M10**	M10 Long	•
CHT **SR38M11**	M11	•
CHT **SLR38M11**	M11 Long	•
CHT **SR38M12**	M12	•
CHT **SLR38M12**	M12 Long	•
CHT **SR38M13**	M13	•
CHT **SLR38M13**	M13 Long	•
CHT **SR38M14**	M14	•
CHT **SLR38M14**	M14 Long	•

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

Bit Sockets

CARLYLE TOOLS by NAPA

3/8 IN. DR. TRIPLE SQUARE TAMPER-PROOF BIT SOCKETS & SET

Item No.	Socket Size	*CHT* BSTS3808H 8 Pc. Set w/Rail
CHT STS3804MH	M4	•
CHT STS3805MH	M5	•
CHT STS3806MH	M6	•
CHT STS3808MH	M8	•
CHT STS3810MH	M10	•
CHT STS3812MH	M12	•
CHT STS3814MH	M14	•
CHT STS3816MH	M16	•

CARLYLE TOOLS by NAPA

CHT BSTS3808

CHT STS3808M

3/8 IN. DR. TRIPLE SQUARE BIT SOCKETS & SET

Item No.	Size	*CHT* BSTS3808 8 Pc. Set
Triple Square Bit Sockets		
CHT STS3804M	4mm	•
CHT STS3805M	5mm	•
CHT STS3806M	6mm	•
CHT STS3808M	8mm	•
CHT STS3810M	10mm	•
CHT STS3812M	12mm	•
CHT STS3814M	14mm	•
CHT STS3816M	16mm	•
Long Triple Square Bit Sockets		
CHT SLTS3804M	4mm	
CHT SLTS3805M	5mm	
CHT SLTS3806M	6mm	
CHT SLTS3808M	8mm	
CHT SLTS3810M	10mm	

CHT SLTS3808M

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. DR. PHILLIPS BIT SOCKETS

Item No.	Size
CHT SPH3802	#2
CHT SPH3803	#3

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT™

BK 774-1993

BK 774-1997

1/2 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*BK* 774-1993 7 Pc. Hex Bit Set w/Rail	*BK* 774-2001 7 Pc. Hex Bit Set w/Rail
BK 774-1986	5/16"	•	
BK 774-1987	3/8"	•	
BK 774-1988	7/16"	•	
BK 774-1989	1/2"	•	
BK 774-1990	9/16"	•	
BK 774-1991	5/8"	•	
BK 774-1992	3/4"	•	
BK 774-1994	6mm		•
BK 774-1995	8mm		•
BK 774-1996	10mm		•
BK 774-1997	12mm		•
BK 774-1998	14mm		•
BK 774-1999	17mm		•
BK 774-2000	19mm		•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CHT BSH1210M

CHT SH1210M

1/2 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* BSH1210M 10 Pc. Hex Bit Set w/Rail	*CHT* BSH1207 7 Pc. Hex Bit Set w/Rail
CHT SH1210	5/16"		•
CHT SH1212	3/8"		•
CHT SH1214	7/16"		•
CHT SH1216	1/2"		•
CHT SH1218	9/16"		•
CHT SH1220	5/8"		•
CHT SH1224	3/4"		•
CHT SH1206M	6mm	•	
CHT SH1208M	8mm	•	
CHT SH1210M	10mm	•	
CHT SH1212M	12mm	•	
CHT SH1213M	13mm	•	
CHT SH1214M	14mm	•	
CHT SH1215M	15mm	•	
CHT SH1217M	17mm	•	
CHT SH1218M	18mm	•	
CHT SH1219M	19mm	•	

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

1/2 IN. DR. STAR BIT SOCKETS

Item No.	Size
Star Bit Socket	
CHT **S12T60**	T-60
CHT **S12T70**	T-70
Long Star Bit Sockets	
CHT **S12LT45**	T-45
CHT **S12LT50**	T-50
CHT **S12LT55**	T-55
CHT **S12LT60**	T-60

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **S12T60**

CHT **S12LT45**

1/2 IN. DR. STAR PLUS BIT SOCKET

Item No.	Size
CHT **S12TP60**	T-60

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. DR. TAMPER-PROOF STAR BIT SOCKET

Item No.	Size
CHT **S12T60H**	T-60

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. DR. EXTERNAL STAR BIT SOCKETS

Item No.	Size
CHT **S12E18**	E-18
CHT **S12E20**	E-20
CHT **S12E22**	E-22
CHT **S12E24**	E-24

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **S12E18**

1/2 IN. DR. TRIPLE SQUARE BIT SOCKETS

Item No.	Size
CHT **SLTS1212M**	12mm
CHT **SLTS1214M**	14mm
CHT **SLTS1216M**	16mm

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **SLTS1212M**

3/4 IN. DR. HEX BIT SOCKETS

CHT **SH3414MRB**

Item No.	Size	Replacement Bit Item No.
CHT **SH3414M**	14mm	*CHT* **SH3414MRB**
CHT **SH3417M**	17mm	*CHT* **SH3417MRB**
CHT **SH3419M**	19mm	*CHT* **SH3419MRB**
CHT **SH3422M**	22mm	*CHT* **SH3422MRB**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* SH3419MRB only) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **SH3414M**

3/4 IN. DR. STAR BIT SOCKETS

CHT **S34T60**

Item No.	Size	Replacement Bit Item No.
CHT **S34T60**	T60	*CHT* **S34T60RB**
CHT **S34T70**	T70	*CHT* **S34T70RB**
CHT **S34T80**	T80	*CHT* **S34T80RB**
CHT **S34T90**	T90	*CHT* **S34T90RB**
CHT **S34T100**	T100	*CHT* **S34T100RB**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **S34T60RB**

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WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE® HEX & STAR KEYS

Carlyle professional hex keys contain premium S2 alloy steel that undergoes a special heat treatment to extend strength and maximize durability. Carlyle hex keys are carefully and consistently tested to ensure each model produces the highest amount of torque and tensile strength fit for the most demanding applications. Offering the widest range of coverage for any size and style the application calls for.

www.carlyletools.com/products/hex-keys

L-HANDLE/T-HANDLE

Full range of Hex Keys cover short, long, L-handle, vinyl dip T-handle, hex ball, star, and magnetic hex ball applications. Tools are carefully and consistently tested to produce the highest amount of torque and precision.

VINYL DIPPED T-HANDLES HEX KEYS & SETS

Item No	Size	*CHT* THHS10 10 Pc. Set
CHT **THH25**	5/64"	
CHT **THH3**	3/32"	•
CHT **THH35**	7/64"	•
CHT **THH4**	1/8"	•
CHT **THH45**	9/64"	•
CHT **THH5**	5/32"	•
CHT **THH6**	3/16"	•
CHT **THH7**	7/32"	•
CHT **THH8**	1/4"	•
CHT **THH10**	5/16"	•
CHT **THH12**	3/8"	•

Item No	Size	*CHT* THHS8M 8 Pc. Set
CHT **THH2M**	2mm	•
CHT **THH25M**	2.5mm	•
CHT **THH3M**	3mm	•
CHT **THH4M**	4mm	•
CHT **THH5M**	5mm	•
CHT **THH6M**	6mm	•
CHT **THH8M**	8mm	•
CHT **THH10M**	10mm	•

CHT **THHS10**

SAE *CHT* **THH5**

MET *CHT* **THH5M**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LONG HEX KEYS & SETS

Item No.	Size	*CHT* HKLS22 22 Pc. Set	*CHT* HKLS13 13 Pc. Set	*CHT* HKLMS9 9 Pc. Set
CHT **HKL050**	.050"	•	•	
CHT **HKL2**	1/16"	•	•	
CHT **HKL25**	5/64"	•	•	
CHT **HKL3**	3/32"	•	•	
CHT **HKL35**	7/64"	•	•	
CHT **HKL4**	1/8"	•	•	
CHT **HKL45**	9/64"	•	•	
CHT **HKL5**	5/32"	•	•	
CHT **HKL6**	3/16"	•	•	
CHT **HKL7**	7/32"	•	•	
CHT **HKL8**	1/4"	•	•	
CHT **HKL10**	5/16"	•	•	
CHT **HKL12**	3/8"	•	•	
CHT **HKL14**	7/16"			
CHT **HKL16**	1/2"			
CHT **HKL18**	9/16"			
CHT **HKL20**	5/8"			
CHT **HKL24**	3/4"			
CHT **HKL28**	7/8"			
CHT **HKL32**	1"			
CHT **HKL13M**	1.3mm			
CHT **HKL15M**	1.5mm	•		•
CHT **HKL2M**	2mm	•		•
CHT **HKL25M**	2.5mm	•		•
CHT **HKL3M**	3mm	•		•
CHT **HKL4M**	4mm	•		•
CHT **HKL5M**	5mm	•		•
CHT **HKL6M**	6mm	•		•
CHT **HKL7M**	7mm			
CHT **HKL8M**	8mm	•		•
CHT **HKL9M**	9mm			
CHT **HKL10M**	10mm	•		•
CHT **HKL12M**	12mm			
CHT **HKL14M**	14mm			
CHT **HKL17M**	17mm			
CHT **HKL19M**	19mm			

CHT **HKLS22**

SAE *CHT* **HKL4**

MET *CHT* **HKL4M**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

LONG HEX BALL KEYS & SETS

Item No.	Size	*CHT* HKLBS22 22 Pc. Set	*CHT* HKLBS13 13 Pc. Set	*CHT* HKLBMS9 9 Pc. Set
CHT **HKLB050**	.050"	•	•	
CHT **HKLB2**	1/16"	•	•	
CHT **HKLB25**	5/64"	•	•	
CHT **HKLB3**	3/32"	•	•	
CHT **HKLB35**	7/64"	•	•	
CHT **HKLB4**	1/8"	•	•	
CHT **HKLB45**	9/64"	•	•	
CHT **HKLB5**	5/32"	•	•	
CHT **HKLB6**	3/16"	•	•	
CHT **HKLB7**	7/32"	•	•	
CHT **HKLB8**	1/4"	•	•	
CHT **HKLB10**	5/16"	•	•	
CHT **HKLB12**	3/8"	•	•	
CHT **HKLB13M**	1.3mm			
CHT **HKLB15M**	1.5mm	•		•
CHT **HKLB2M**	2mm	•		•
CHT **HKLB25M**	2.5mm	•		•
CHT **HKLB3M**	3mm	•		•
CHT **HKLB4M**	4mm	•		•
CHT **HKLB45M**	4.5mm			
CHT **HKLB5M**	5mm	•		•
CHT **HKLB55M**	5.5mm			
CHT **HKLB6M**	6mm	•		•
CHT **HKLB7M**	7mm			
CHT **HKLB8M**	8mm	•		•
CHT **HKLB10M**	10mm	•		•

CHT **HKLBS22**

CHT **HKLB4**

MET

CHT **HKLB4M**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LONG MAGNETIC HEX BALL KEYS & SETS

Item No.	Size	*CHT* HKLMS13 13 Pc. Set	*CHT* HKLMMS9 9 Pc. Set
CHT **HKLB050***	.050"	•	
CHT **HKLB2***	1/16"	•	
CHT **HKLB25***	5/64"	•	
CHT **HKLB3***	3/32"	•	
CHT **HKLB35***	7/64"	•	
CHT **HKLM4**	1/8"	•	
CHT **HKLM45**	9/64"	•	
CHT **HKLM5**	5/32"	•	
CHT **HKLM6**	3/16"	•	
CHT **HKLM7**	7/32"	•	
CHT **HKLM8**	1/4"	•	
CHT **HKLM10**	5/16"	•	
CHT **HKLM12**	3/8"	•	
CHT **HKLB15M***	1.5mm		•
CHT **HKLB2M***	2mm		•
CHT **HKLB25M***	2.5mm		•
CHT **HKLM3M**	3mm		•
CHT **HKLM4M**	4mm		•
CHT **HKLM5M**	5mm		•
CHT **HKLM6M**	6mm		•
CHT **HKLM8M**	8mm		•
CHT **HKLM10M**	10mm		•

Magnetic Tip.

SAE

CHT **HKLM5**

MET

CHT **HKLM5M**

**** Not Magnetic.***

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Hex Keys & Sets

CARLYLE TOOLS by NAPA

CHT **HKSMS9**

SAE

CHT **HKS25**

MET

CHT **HKS25M**

SHORT HEX KEYS & SETS

Item No.	Size	*CHT* HKSS13 13 Pc. Set	*CHT* HKSMS9 9 Pc. Set
CHT **HKS028**	.028"		
CHT **HKS035**	.035"		
CHT **HKS050**	.050"	•	
CHT **HKS2**	1/16"	•	
CHT **HKS25**	5/64"	•	
CHT **HKS3**	3/32"	•	
CHT **HKS35**	7/64"	•	
CHT **HKS4**	1/8"	•	
CHT **HKS45**	9/64"	•	
CHT **HKS5**	5/32"	•	
CHT **HKS6**	3/16"	•	
CHT **HKS7**	7/32"	•	
CHT **HKS8**	1/4"	•	
CHT **HKS10**	5/16"	•	
CHT **HKS12**	3/8"	•	
CHT **HKS14**	7/16"		
CHT **HKS16**	1/2"		
CHT **HKS18**	9/16"		
CHT **HKS20**	5/8"		
CHT **HKS24**	3/4"		
CHT **HKS28**	7/8"		
CHT **HKS32**	1"		
CHT **HKS07M**	.7mm		
CHT **HKS09M**	.9mm		
CHT **HKS13M**	1.3mm		
CHT **HKS15M**	1.5mm		•
CHT **HKS2M**	2mm		•
CHT **HKS25M**	2.5mm		•
CHT **HKS3M**	3mm		•
CHT **HKS4M**	4mm		•
CHT **HKS45M**	4.5mm		
CHT **HKS5M**	5mm		•
CHT **HKS55M**	5.5mm		
CHT **HKS6M**	6mm		•
CHT **HKS7M**	7mm		
CHT **HKS8M**	8mm		•
CHT **HKS9M**	9mm		
CHT **HKS10M**	10mm		•
CHT **HKS12M**	12mm		
CHT **HKS14M**	14mm		
CHT **HKS17M**	17mm		
CHT **HKS19M**	19mm		

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT™

BALL END HEX KEY SET

Size	*BK* 776-9116 22 Pc. Ball End Hex Key Set
.05"	•
1/16"	•
5/64"	•
3/32"	•
7/64"	•
1/8"	•
9/64"	•
5/32"	•
3/16"	•
7/32"	•
1/4",	•
5/16"	•
3/8"	•
1.5mm	•
2mm	•
2.5mm	•
3mm	•
4mm	•
5mm	•
6mm	•
8mm	•
10mm	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT™

HEX KEY SET

Size	*BK* 776-9117 22 Pc. Hex Key Set
.05"	•
1/16"	•
5/64"	•
3/32"	•
7/64"	•
1/8"	•
9/64"	•
5/32"	•
3/16"	•
7/32"	•
1/4",	•
5/16"	•
3/8"	•
1.5mm	•
2mm	•
2.5mm	•
3mm	•
4mm	•
5mm	•
6mm	•
8mm	•
10mm	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

CHT **LHHS9**

SAE *CHT* **LHH5**

MET *CHT* **LHH5M**

L-HANDLE HEX KEYS & SETS

Item No.	Size	*CHT* LHHS9 9 Pc. Set	*CHT* LHHS8M 8 Pc. Set
CHT **LHH25**	5/64"	•	
CHT **LHH3**	3/32"	•	
CHT **LHH4**	1/8"	•	
CHT **LHH5**	5/32"	•	
CHT **LHH6**	3/16"	•	
CHT **LHH7**	7/32"	•	
CHT **LHH8**	1/4"	•	
CHT **LHH10**	5/16"	•	
CHT **LHH12**	3/8"	•	
CHT **LHH2M**	2mm		•
CHT **LHH25M**	2.5mm		•
CHT **LHH3M**	3mm		•
CHT **LHH35M**	3.5mm		
CHT **LHH4M**	4mm		•
CHT **LHH45M**	4.5mm		
CHT **LHH5M**	5mm		•
CHT **LHH6M**	6mm		•
CHT **LHH8M**	8mm		•
CHT **LHH10M**	10mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **THTS7**

CHT **THT10**

VINYL DIPPED T-HANDLE STAR KEYS & SET

Item No.	Size	*CHT* THTS7 7 Pc. Set
CHT **THT7**	T7	
CHT **THT8**	T8	
CHT **THT10**	T10	•
CHT **THT15**	T15	•
CHT **THT20**	T20	•
CHT **THT25**	T25	•
CHT **THT30**	T30	•
CHT **THT40**	T40	•
CHT **THT45**	T45	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* THT7, *CHT* THT8 and *CHT* THT45 only) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CHT **LHHBS9**

SAE *CHT* **LHHB6**

MET *CHT* **LHHB6M**

L-HANDLE HEX BALL KEYS & SETS

Item No.	Size	*CHT* LHHBS9 9 Pc. Set	*CHT* LHHBS8M 8 Pc. Set
CHT **LHHB25**	5/64"	•	
CHT **LHHB3**	3/32"	•	
CHT **LHHB35**	7/64"		
CHT **LHHB4**	1/8"	•	
CHT **LHHB45**	9/64"		
CHT **LHHB5**	5/32"	•	
CHT **LHHB6**	3/16"	•	
CHT **LHHB7**	7/32"	•	
CHT **LHHB8**	1/4"	•	
CHT **LHHB10**	5/16"	•	
CHT **LHHB12**	3/8"	•	
CHT **LHHB2M**	2mm		•
CHT **LHHB25M**	2.5mm		•
CHT **LHHB3M**	3mm		•
CHT **LHHB4M**	4mm		•
CHT **LHHB5M**	5mm		•
CHT **LHHB6M**	6mm		•
CHT **LHHB8M**	8mm		•
CHT **LHHB10M**	10mm		•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SHORT STAR KEYS & SET

Item No.	Size	*CHT* TKSS13 13 Pc. Set
CHT **TKS6**	T6	
CHT **TKS7**	T7	•
CHT **TKS8**	T8	•
CHT **TKS9**	T9	•
CHT **TKS10**	T10	•
CHT **TKS15**	T15	•
CHT **TKS20**	T20	•
CHT **TKS25**	T25	•
CHT **TKS27**	T27	•
CHT **TKS30**	T30	•
CHT **TKS40**	T40	•
CHT **TKS45**	T45	•
CHT **TKS50**	T50	•
CHT **TKS55**	T55	•

CHT **TKSS13**

CHT **TKS15**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Hex Keys & Sets

CARLYLE TOOLS by NAPA

MAGNETIC STAR KEYS & SET

Item No.	Size	*CHT* TKMS9 9 Pc. Set
CHT **TKSM10**	T10	•
CHT **TKSM15**	T15	•
CHT **TKSM20**	T20	•
CHT **TKSM25**	T25	•
CHT **TKSM27**	T27	•
CHT **TKSM30**	T30	•
CHT **TKSM40**	T40	•
CHT **TKSM45**	T45	•
CHT **TKSM50**	T50	•

CHT **TKMS9**

Magnetic Tip

CHT **TKSM15**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT™

STAR KEY SET

Size	*BK* 776-9115 9 Pc. Star Key Set
T10	•
T15	•
T15	•
T20	•
T25	•
T27	•
T30	•
T40	•
T45	•
T50	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CHT **LHTS7**

CHT **LHT8**

L-HANDLE STAR KEYS & SET

Item No.	Size	*CHT* LHTS7 7 Pc. Set
CHT **LHT6**	T6	
CHT **LHT7**	T7	
CHT **LHT8**	T8	
CHT **LHT10**	T10	•
CHT **LHT15**	T15	•
CHT **LHT20**	T20	•
CHT **LHT25**	T25	•
CHT **LHT27**	T27	•
CHT **LHT30**	T30	•
CHT **LHT40**	T40	•
CHT **LHT45**	T45	

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CHT **HKFS9**

CHT **HKFMS9**

SHORT FOLDING HEX KEY SETS

Size	*CHT* HKFS9 9 Pc. Short Hex Set	*CHT* HKFMS9 9 Pc. Short Hex Set
5/64"	•	
3/32"	•	
7/64"	•	
1/8"	•	
9/64"	•	
5/32"	•	
3/16"	•	
7/32"	•	
1/4"	•	
1.5mm		•
2mm		•
2.5mm		•
3mm		•
4mm		•
5mm		•
6mm		•
8mm		•
10mm		•

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT™

BK **776-9121**

BK **776-9122**

FOLDING BALL END HEX KEY SETS

Size	*BK* 776-9121 7 Pc. Ball End Hex Key Set	*BK* 776-9122 7 Pc. Ball End Hex Key Set
1/16"	•	
5/32"	•	
5/64"	•	
3/16"	•	
3/32"	•	
7/32"	•	
1/8"	•	
1.5mm		•
2mm		•
2.5mm		•
3mm		•
4mm		•
5mm		•
6mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

BK **776-9118**

BK **776-9119**

FOLDING HEX KEY SET

Size	*BK* 776-9118 7 Pc. Hex Key Set	*BK* 776-9119 7 Pc. Hex Key Set
1/16"	•	
5/32"	•	
5/64"	•	
3/16"	•	
3/32"	•	
7/32"	•	
1/8"	•	
1.5mm		•
2mm		•
2.5mm		•
3mm		•
4mm		•
5mm		•
6mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SHORT FOLDING STAR KEY SET

Size	*CHT* TKFS8 8 Pc. Short Star Set
T9	•
T10	•
T15	•
T20	•
T25	•
T27	•
T30	•
T40	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

FOLDING STAR KEY SET

Size	*BK* 776-9120 7 Pc. Star Key Set
T10	•
T15	•
T20	•
T25	•
T27	•
T30	•
T40	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CRAFTSMAN

25-KEY FOLDING HEX KEY SET (3 PK.)

- Durable composite construction.
- Rubber side inserts allow for a secure grip.
- Chamfered edge helps guide the wrench for a smooth, easy entry into the hex key.

Includes: SAE, Metric, and Star-shaped keys

CTM **CMHT26004**

CRAFTSMAN

10PC & 20PC L TO T HEX KEY SET

- Strong steel hex keys with black oxide coating.
- Convenient storage rack for hex keys and handle keeps this set together in your toolbox.
- Comfort: Durable handle makes L keys into comfortable T handles.

Item No.	Description
CTM **CMHT26021**	1/16" - 3/8"
CTM **CMHT26020**	1/16" - 3/8" & 1.5mm - 10 mm

CARLYLE TOOLS by NAPA

9 PC. STRIPPED HEX KEY SETS

- Quick sliding lock organized hex keys with holder
- Extractor tip on short end
- Ball tip on long end
- Strong durable S2 steel material

Item No.	Description
CHT **HKES9**	SAE Set (1/16", 5/64", 2/32", 1/8", 5/32", 3/16", 1/4", 5/16" and 3/8")
CHT **HKEMS9**	Metric Set (1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm)

CHT **HKES9**

INDEX

WARNING: Always wear protective eyewear when using hand tools and accessories.

Hammers

B.A.S.H® 8 PC. MASTER HAMMER KIT

Includes
- 8 B.A.S.H. Hammers with Unbreakable Handle Technology (*JET* **20212**, *JET* **20412**, *JET* **55114**, *JET* **55314**,*JET* **30216**, *JET* **32414**, *JET* **33214** & *JET* **34014**)

JET **11108**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

B.A.S.H® 6 PC. MASTER HAMMER KIT

Includes
- 6 B.A.S.H. Hammers with Unbreakable Handle Technology (*JET* **20212**, *JET* **20412**, *JET* **55114**, *JET* **55214**, *JET* **30216** & *JET* **32414**)

JET **11109**

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

B.A.S.H® BALL PEIN HAMMER KIT

Includes
- 24 oz. Head, 14" Ball Pein Hammer
- 32 oz. Head, 14" Ball Pein Hammer
- 40 oz. Head, 14" Ball Pein Hammer

JET **11110**

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

MECHANICS HAMMER KIT

Includes
- 4 lb. Head 12" Sledge Hammer
- 32 oz. Head 14" Ball Pein Hammer
- 2 lb. Head 16" Cross Pein Hammer

JET **11111**

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

SHOP HAMMER KIT

Includes
- 4 lb. Head 12" Sledge Hammer
- 32 oz. Head 14" Ball Pein Hammer
- 4 lb. Head 16" Dead Blow Hammer

JET **11112**

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

DEAD BLOW HAMMER KIT

Includes
- 2 lb. 14" Dead Blow Hammer
- 3 lb. 14" Dead Blow Hammer
- 4 lb. 16" Dead Blow Hammer

JET **11113**

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

WILTON B.A.S.H UNBREAKABLE HANDLE TECHNOLOGY

https://www.wiltontools.com/us/en/home/

B.A.S.H® SLEDGE HAMMERS (46 HRC)

Ideal For:
- Demolition Work
- Fracturing Stone and Concrete

Item No.	Head Size	Handle Size	Net Weight
JET **20212**	2½ lbs.	12"	4 lbs.
JET **20412**	4 lbs.	12"	5 lbs.
JET **20416**	4 lbs.	16"	6 lbs.
JET **20424**	4 lbs.	24"	6 lbs.
JET **20616**	6 lbs.	16"	8 lbs.
JET **20624**	6 lbs.	24"	9 lbs.
JET **20630**	6 lbs.	30"	10 lbs.
JET **20636**	6 lbs.	36"	11 lbs.
JET **20816**	8 lbs.	16"	11 lbs.
JET **20824**	8 lbs.	24"	11 lbs.
JET **20830**	8 lbs.	30"	12 lbs.
JET **20836**	8 lbs.	36"	13 lbs.
JET **21016**	10 lbs.	16"	13 lbs.
JET **21024**	10 lbs.	24"	13 lbs.
JET **21030**	10 lbs.	30"	15 lbs.
JET **21036**	10 lbs.	36"	15 lbs.
JET **21224**	12 lbs.	24"	16 lbs.
JET **21230**	12 lbs.	30"	17 lbs.
JET **21236**	12 lbs.	36"	18 lbs.
JET **21424**	14 lbs.	24"	18 lbs.
JET **21430**	14 lbs.	30"	19 lbs.
JET **21436**	14 lbs.	36"	20 lbs.
JET **22024**	20 lbs.	24"	24 lbs.
JET **22030**	20 lbs.	30"	25 lbs.
JET **22036**	20 lbs.	36"	27 lbs.

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

B.A.S.H® BALL PEIN HAMMERS AND CROSS PEIN HAMMERS

Ideal For:
- Light Forging
- Bending
- Forming
- Peining

Item No.	Head Size	Handle Size	Net Weight
B.A.S.H® Ball Pein Hammers			
JET **32414**	24 oz.	14"	2 lbs.
JET **33214**	32 oz.	14"	3 lbs.
JET **34014**	40 oz.	14"	3 lbs.
B.A.S.H® Cross Pein Hammers			
JET **30216**	32 oz.	16"	3 lbs.
JET **30316**	48 oz.	16"	4 lbs.

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

B.A.S.H® SOFT FACE SLEDGE HAMMERS (30 HRC)

Ideal For:
- Maintenance on hard metal surfaces
- Mining
- Cutting Tools

Item No.	Head Size	Handle Size	Net Weight
JET **40212**	2½ lbs.	12"	4"
JET **40412**	4 lbs.	12"	5"
JET **40416**	4 lbs.	16"	6"

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

B.A.S.H® DEAD BLOW HAMMERS

- Dead blow function eliminates bounce back when striking hardened surfaces
- Unbreakable® HandleTechnology - steel core eliminates breaking during overstrikes

Part No.	Head Size	Hand Size	Net Weight
JET **55114**	1½ lbs.	14	1.5 lbs.
JET **55214**	2 lbs.	14	2.2 lbs.
JET **55314**	3 lbs.	14	3 lbs.
JET **55416**	4 lbs.	16	4 lbs.
JET **55830**	8 lbs.	30	8 lbs.

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer. For more information go to www.P65warnings.ca.gov.**

BRASS STRIKING HAMMER

- Double faced brass head
- Non-sparking / non-marking
- Fiberglass handle

Made in Chicago, IL

Item No.	Weight
CHT **HFHBR110**	1 Lbs.
CHT **HFHBR212**	2 Lbs.
CHT **HFHBR312**	3 Lbs.
CHT **HFHBR412**	4 Lbs.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.**

Made in Indianapolis, IN

SOFT FACE DEAD BLOW HAMMERS

One piece construction. No marks or sparks, completely formulated to set a new standard for soft face performance and durability. Eliminates mushrooming, splitting, absorption of liquids, contaminations and chips. Outlasts rawhide, rubber, brass, lead, nylon and other plastic type heads by 10-20 times. Exclusive textured, nonslip, comfort contoured handle and safety flanged butt provide sure grip and reduces worker fatigue. Steel canister and rod are welded together for greater strength and safety. Shot-filled canister provides dead blow action in head for sustained impact, maximum power and striking force. Canister in head and heat-treated rod in handle are fully encased in hot cast custom formulated polyurethane. Convex faces on heads are designed for maximum dead blow non-bounce action and are cut resistant.

Item No.	Description	Length	Weight
CHT **HDBBP26**	Ball Peen	13"	26 oz.
CHT **HDBBP32**	Ball Peen	12.75"	32 oz.
CHT **HDBBP40**	Ball Peen	16.5"	40 oz.
CHT **HDB13**	Standard	10.13"	13 oz.
CHT **HDB21**	Standard	11.25"	21 oz.
CHT **HDB26**	Standard	12.75"	26 oz.
CHT **HDB45**	Standard	14.38"	45 oz.
CHT **HDB53**	Standard	15.25"	53 oz.
CHT **HDBS8**	Slim Line	9.38"	8 oz.
CHT **HDBS18**	Slim Line	10.63"	18 oz.
CHT **HDBS22**	Slim Line	12.13"	22 oz.
CHT **HDBS26**	Slim Line	12.75"	26 oz.
CHT **HDBS32**	Slim Line	12.75"	32 oz.
CHT **HDBSH55**	Sledge	20"	5.5 lbs.
CHT **HDBSH9**	Sledge	30"	9 lbs.
CHT **HDBSH105**	Sledge	30"	10.5 lbs.
CHT **HDBSH12**	Sledge	36"	12 lbs.

SOFT FACE DEADBLOW SLEDGE HAMMER

The mini-max sledgehammer is compact and powerful, for the ultimate wallop in confined spaces. Handcrafted with hot-cast polyurethane and a steel shot-filled canister this sledge is a great addition to any collection.
- American Made
- Non-sparking
- Non-Slip
- 20 in. Length
- 9 Lb. Weight

Product Application: Mechanical Repair, Heavy Equipment Repair, Landscaping/Hardscaping, Timber Framing, any task that requires a heavy, soft-faced hammer in confined spaces.

CHT **HDBSS9**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Hammers

DOUBLE FLAT-FACED STUBBY BALL PEEN DEADBLOW HAMMER

Our steel-faced, hot-cast polyurethane hammers are a little brute and ideal for tight spaces when power is required. Used by professionals and DIYers alike for maximum durability and no-bounce dead blow action.

- Two different sized striking surfaces
- American Made
- Threadless head construction reduces metal fatigue and vibration
- Non-Slip
- 10 1/4" Length
- 30 Oz. Weight

Product Application: Mechanical Repair, Metal Shaping, Metal Fabrication, Metal Stamping, Structural Work, Machinist Hammer, Bodyshop Hammer, Tool & Die Making

CHT **HDBBP30F**

FIBERGLASS BALL PEEN HAMMERS

Hardened steel ball peen hammer heads are made of permanently epoxied fiberglass handles and provide superior balance to reduce shock and fatigue. Rounded end allows for pounding out round surfaces and peening over bolts.

Item No	Length	Weight
CHT **HFBP8**	10 15/16"	8 oz.
CHT **HFBP16**	12 7/8"	16 oz.
CHT **HFBP24**	15 1/16"	24 oz.
CHT **HFBP32**	15 1/8"	32 oz.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* HFBP24 only) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WOOD BALL PEEN HAMMERS

Hammers feature forged and hardened steel ball peen head with hardwood hickory handle. Chamfered to prevent chipping.

Item No.	Length	Weight
CHT **HWBP4**	10 3/4"	4 oz.
CHT **HWBP8**	12 13/16"	8 oz.
CHT **HWBP12**	12 13/16"	2 oz.
CHT **HWBP16**	13 3/4"	16 oz.
CHT **HWBP24**	15 9/16"	24 oz.
CHT **HWBP32**	15 3/4"	32 oz.
CHT **HWBP40**	16 3/8"	40 oz.
CHT **HWBP48**	16 9/16"	48 oz.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* HWBP24 only) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

FIBERGLASS DRILLING HAMMER

Hammer features fully forged and hardened steel head with permanent epoxied fiberglass handle for superior balance and reduced shock and fatigue.

Item No	Length	Weight
CHT **HFD25**	10 9/16"	40 oz.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FIBERGLASS CURVED CLAW HAMMER

Hammer features forged and hardened steel head with permanent epoxied fiberglass handle providing superior balance and reducing shock and fatigue. Bell sides and claw end are great for prying applications. Non-slip comfort grip handle allows for comfort and increased safety.

Item No	Length	Weight
CHT **HFC16**	12 3/16"	16 oz.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

18 OZ. STEEL INDEXING CLAW HAMMER WITH CUSHION GRIP HANDLE

- Extra large smooth striking face provides solid contact when driving nails or persuading boards/materials
- Offering 4 unique positions for accessing and prying nails and boards with increased leverage
- Magnetic nail starter holds nails securely under the hammer head for quick and easy one hand nail starting

APX **CINDEX18**

CHT **HLVBP32**

CHT **HLVC16**

CHT **HLVD25**

LOW VIBRATION HAMMERS

Hammers feature fully forged and hardened design with shock suppression hand grip for ultimate comfort and fatigue reduction.

Item No	Description	Length	Weight
CHT **HLVBP32**	Ball Peen Hammer	14 9/16"	32 oz
CHT **HLVC16**	Curved Claw Hammer	13"	16 oz
CHT **HLVD25**	Drilling Hammer	10 3/4"	40 oz.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CHT **HSF2**

CHT **HSFT2HD**

CHT **HSFT2ST**

SOFT FACE HAMMERS

Hammer head accepts replaceable steel threaded plastic insert tips for a variety of non-marring applications. Non-slip grip provides extended comfort and durability.

Item No	Description	Length
CHT **HSF2**	Soft Face Hammer	12 3/16"
CHT **HSFT2ST**	Soft Tip, Rubber	Dia. 32.5 x 25mm
CHT **HSFT2HD**	Hard Tip, Plastic	Dia. 32.5 x 25mm

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* HSFT2HD only) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CHT **HR16**

RUBBER MALLETS

High-grade solid rubber heads are securely pressure-fitted on hardwood handles. Non-marring striking face.

Item No	Length	Weight
CHT **HR16**	12 7/8"	16 oz.
CHT **HR24**	15 3/8"	24 oz.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* HR24 only) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DOUBLE-FACE SLEDGE HAMMERS

High carbon steel, heat treated. Machined, polished face.

Item No.	Handle Length	Face	Eye Size	Head Weight
SPC **37302**	15"	1 1/2"	3/4" x 1"	2.5 lbs. (1.1 kg.)
SPC **37304**	15"	1 3/4"	3/4" x 1"	4 lbs. (1.8 kg.)
SPC **37308**	36"	2"	1" x 1 3/8"	8 lbs. (3.6 kg.)
SPC **37310**	36"	2 1/8"	1" x 1 3/8"	10 lbs. (4.5 kg.)
SPC **37312**	36"	2 1/8"	1" x 1 3/8"	12 lbs. (5.4 kg.)
SPC **37316**	36"	2 3/8"	1" x 1 3/8"	16 lbs. (7.2 kg.)
SPC **37320**	36"	3"	2" x 1 1/2"	20 lbs. (9.0 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SPC **37003**

NEW ENGLAND PATTERN HAND-DRILLING HAMMERS

Item No.	Handle Length	Face	Eye Size	Head Weight
SPC **37003**	10"	1 1/2"	1" x 3/4"	3 lbs. (1.4 kg)
SPC **37004**	10"	1 5/8"	1" x 3/4"	4 lbs. (1.8 kg)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SPC **37103**

CROSS-PEIN/ BLACKSMITH HAMMER

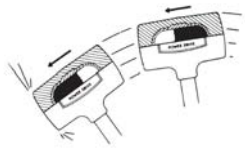
High carbon steel with machine polished face.

Item No.	Handle Length	Face	Eye Size	Head Weight
SPC **37103**	15"	1 5/8"	1" x 1 3/4"	3 lbs. (1.4 kg)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

DEAD BLOW HAMMERS

Head is shot filled for maximum force with no bounce effect. Safest non-marring, non-sparking hammers available. Great for tire changing and general shop use. High-quality materials to withstand years of hard use.



SPC **35335**

SPC **35336**

ECONOMY STRIKE PRO® HAMMERS

Dead blow action in high visibility colors.

Item No.	Color	Length	Nominal Weight
SPC **35335**	Safety Yellow	12" (31 cm)	1 lbs. (.5 kg.)
SPC **35336**	Safety Orange	12" (31 cm)	1.5 lbs. (.7 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CHT **PBH12**

INDEXING PRY BARS

Adjustable heads provide flexibility and increased leverage in tight areas. Ergonomic design reduces user fatigue. Ideal for a wide variety of prying requirements.

Item No.	Size	*CHT* **PBF02** 2 Pc. Set
CHT **PBF8**	8"	
CHT **PBF10**	10"	•
CHT **PBF16**	16"	•
CHT **PBF24**	24"	
CHT **PBF33**	33"	

WARNING: Always wear protective eyewear when using hand tools and accessories.

Pry Bars

CARLYLE TOOLS by NAPA

4 IN. INDEXING PRY BAR

Carlyle pry bar features a high leverage gear design, providing maximum leverage while lifting and pulling back. Its adjustable head allows you to choose up to 11 different angles and its stubby head design gets into tight areas.

- Exceeds ANSI requirements for proven strength
- Patented double PUSH locking design mechanism
- Industrial manganese phosphate finish helps protect against corrosion

CHT **PBF4**

GEARWRENCH

APX **82233**

APX **82248**

PRY BARS

Item No.	Description
APX **82233**	33" Indexable
APX **82248**	29"-48" Extendable Indexing Pry Bar
APX **82220**	21"-33" Extendable Indexing Pry Bar

CRESCENT

APX **DB18X**

INDEXING FLAT RENOVATION BARS

- Head indexes over 180 degrees and locks in 16 positions
- Head Has Raised Striking Surface
- Durable Two-Tone Grip Provides Comfort, Control, and Safety
- Narrow Jab End for Extreme Prying and Leverage

Item No.	Description
APX **DB18X**	18"
APX **DB30X**	30"

CRESCENT

APX **DB16**

ADJUSTABLE PRY BARS

- Adjustable jaws slide and clamp to fit onto objects for straightening and prying
- Crow Bar End with Nail Puller Slot
- Striking Hammer Head Surface for Persuasion
- Large Claw on Head That Adjusts for Leverage in Pulling Nails

Item No.	Description
APX **DB16**	16"
APX **DB24**	24"

CRESCENT

APX **FB13**

FLAT PRY BARS

- Precision ground ends for nail pulling with less material damage
- Nail Slot in End and Center for Access to Pulling Nails
- Durable High Visibility Red Finish is Corrosion Resistant
- Radius End Design Adds Strength and Provides Better Prying Leverage

Item No.	Description
APX **FB7**	7"
APX **FB13**	13"
APX **FB15**	15"

CRESCENT

APX **MB10**

MOLDING BARS

- Striking face has ground surface for precision nailing
- Precision Ground Ends for Nail Pulling with Less Material Damage
- Nail Slot in Both Claw and Pry Ends for Access to Pulling
- Durable High Visibility Red Finish is Corrosion Resistant

Item No.	Description
APX **MB8**	8"
APX **MB10**	10"
APX **MB12**	12"

CARLYLE TOOLS by NAPA

CHT **PBHS3**

PRY BARS

Item No.	Length	*CHT* **PBHS3** 3 Pc. Set	*CHT* **PBHS4** 4 Pc. Set	*CHT* **PBHS6** 6 Pc. Set
CHT **PBH7**	7"			
CHT **PBH08**	8"		•	•
CHT **PBH12**	12"	•	•	•
CHT **PBH18**	18"	•	•	•
CHT **PBH24**	24"	•	•	•
CHT **PBH32**	32"			•
CHT **PBH36**	36"			•

⚠ **WARNING:(*CHT* PBH7) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*CHT* PBH12 and *CHT* PBH18) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE TOOLS by NAPA

ALIGNMENT PRY BARS

Heavy-duty pry bar is forged from chrome alloy steel with a fully hardened body that resists any bending. Prying end is on one side with lining up end on the other.

Item No.	Length
CHT **AB16**	16 in.
CHT **AB18**	18 in.
CHT **AB24**	24 in.
CHT **AB30**	30 in.
CHT **AB36**	36 in.
CHT **AB48**	48 in.
CHT **AB54**	54 in.

CARLYLE TOOLS by NAPA

ROLLING HEAD PRY BARS

Specifically designed for heavy prying and fulcrum prying in automotive applications. The tapered end is also useful for aligning applications.

- Hardened 38-43 HRC and tempered
- Chrome finish

Item No.	Length	*CHT* **PBS4** 4 Pc. Set
CHT **PB6**	6"	•
CHT **PB12**	12"	•
CHT **PB16**	16"	•
CHT **PB20**	20"	•

Milwaukee

4 PC. PRY BAR SET

- I-Beam design: up to 40% stronger
- All-metal core
- Hammer-ready strike cap

Features

- Comfortable tri-lobe handles
- Chrome finish for corrosion resistance
- Easy-access storage tray

Warranty: Limited Lifetime Warranty

Contents

Qty.	Description
1	8" Pry Bar
1	24" Pry Bar
1	18" Pry Bar
1	12" Pry Bar

MIL **48-22-9214**

EVERCRAFT

COMFORT-GRIP PRY BARS & SET

Chrome-Moly steel shafts for maximum strength. Heat-resistant, cellulose acetate vinyl handles with comfort grips. Grounded and polished pry bar blade edges.

Item No.	Description	*BK* **774-0512 4 Pc. Set**
BK **774-0508**	8"	•
BK **774-0509**	12"	•
BK **774-0510**	18"	•
BK **774-0511**	24"	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

2 PC. PRY BAR SET

High-grade stainless steel construction with premium hammer ends, go-through blade for strength and comfort-grip handle. Broad-hilt design prevents slippage.

SER **77-2012**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SCRAPERS & PUTTY KNIVES & SET

Ergonomic design with comfort-grip for superior control and safety.

Item No.	Description	*SER* **77-1999** 7 Pc. Set
SER **77-2009**	Bent-blade, 1¼" stiff	•
SER **77-2004**	Joint knife, 5" stiff w/hammer end	•
SER **77-1997**	Mini	•
SER **77-2011**	Painter's tool, 6-in-1	•
SER **77-2000**	Putty knife, 1¼" flexible	•
SER **77-2001**	Wall, 3" flexible	•
SER **77-2003**	Wall, 3" stiff w/hammer end	•

⚠ **WARNING: (*CHT* 77-1997) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Subhead

3 PC. SCRAPERS & PUTTY KNIVES & SET

Item No.	Description	SER 77-1998 3 Pc. Set
SER **77-2004**	Joint knife, 5" stiff w/hammer end	•
SER **77-2000**	Putty knife, 1¼" flexible	•
SER **77-2001**	Wall, 3" flexible	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

1-1/4 IN. STIFF-BLADE SCRAPER

High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.

SER **77-2008**

CARBIDE SCRAPERS

- Blade is hardened and tempered to 80 HRC
- Black fixed carbide blade
- 5.9 in. Handle length

Item No.	Width
SER **77-2952**	Small .6"
SER **77-2953**	Medium .8"
SER **77-2954**	Large 1.25"

SER **77-2952**

1-1/4 IN. STIFF-BLADE PUTTY KNIFE

High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.

SER **77-2002**

TWO-IN-ONE STIFF-BLADE PUTTY KNIFE

High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.

SER **77-2005**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

MULTI-PURPOSE ANGLED RAZOR SCRAPER

High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.

SER **77-2007**

MULTI-PURPOSE LONG-REACH RAZOR SCRAPER

High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.

Caution: Not for use on plastic-coated windshields.

SER **77-2006**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

RAZOR BLADE SCRAPER

- Quick-change blade-locking system
- High Carbon Steel blade
- 5 in. Handle length

SER **77-2951**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ALL-PURPOSE SCRAPER

Locks into three different operating positions and folds into handle for safe storage. Uses single-edge razor blades.

Caution: Not for use on plastic-coated windshields.

SER **77-2106**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer or reproductive defects. For more information, go to www.p65warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

AMERICAN LINE

SAFETY SCRAPERS

Single-edge razor blade scraper with push-button open and close. Ideal for scraping ice, bugs, paint, labels or sticky dirt from windshields. Five blades included.
Caution: Not for use on plastic-coated windshields.

Item No.	Description
BK **770-2400**	Safety Scraper
BK **770-2401**	Blades, Card/10
BK **770-2402**	Blades, Box/100

CARLYLE TOOLS by NAPA

SCRAPERS & SET

Offset shaft scraper helps eliminate knuckle scrapes. Curved scraper is designed to improve control. Both have comfort grip handles.

Item No.	Description	*SER* **3987** 2 Pc. Set
SER **3987-01**	Reverse Scraper	•
SER **3987-02**	Offset Scraper	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

7 IN. LONG-REACH SCRAPER

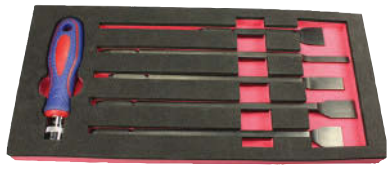
Includes three #9 razor blades and one plastic blade.
Caution: Not for use on plastic-coated windshields.
BK **776-9068**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

7 IN. LONG-REACH SCRAPER

Ideal for use when additional length is needed, such as deep-recessed dashboards in minivans. Includes one standard replacement blade and one plastic blade for use on coated windows.
Caution: Not for use on plastic-coated windshields.
SER **77-3528**

CARLYLE TOOLS by NAPA



5 PC. GASKET SCRAPER SET

Interchangeable set perfect for removing old pieces of gasket, sealant, and oil and carbon deposits. Heavy-duty steel shafts are coated with black oxide finish. Comes with high-density foam tray for convenient tool-box storage.
SER **GS5**

CARLYLE TOOLS by NAPA

10-1/2 IN. GASKET SCRAPER

Forged steel construction for rugged service with a comfort-grip handle. Scrapes surfaces clean before the installation of new gaskets. Can also be used before installing water pump, thermostat, cylinder head, crankcase or timing chain cover gaskets.
Overall Length: 10½". Blade Width: 1".
SER **77-0485**

EVERCRAFT

10-1/2 IN. GASKET SCRAPER

Forged steel construction for rugged service with a comfort-grip handle. Scrapes surfaces clean before the installation of new gaskets. Overall length: 10½". Blade width: 1".
BK **776-9061**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

7 PC. HOOK & PICK SET

This kit combines both small and large picks to do a wide range of jobs around the vehicle from seals to cotter pin removal, cleaning and other jobs.
SER **3708**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Hooks & Picks

6 PC. HOOK & PICK SET
Each pick is made of high carbon polished heat-treated steel with a textured cushion grip that will not slip in wet or oily hands. Ideal for removing small fuses, O-rings and separating wires. Perfect for working in tight, hard to reach areas. Includes complex hook, hook pick, 90° pick, straight pick, combination pick and double angle pick. Overall tool length is 9¾"

SER **CHP6-L**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

4 PC. HOOK & PICK SET
Use these chrome vanadium, alloy steel tools to pull oil seals, O-rings, cotter pins and much more. Set includes: straight point, curved hook, combination tip and 90° tip.

BK **776-9057**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

4 PC. HOOK & PICK SET
- High carbon polished heat-treated picks
- Includes 90°, straight, hook and complex picks
- Cushion-grip handles

SER **CHP4-L**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3 PC. HEAVY-DUTY HOOK & PICK SET
The set includes part numbers *SER* **3470**, *SER* **3474** and *SER* **3475**. The tools included are ideal for use anywhere a hook/removal tool, spring removal tool or a sharp punch is required. All three tools feature corrosion resistant zinc plating and a high visibility orange robust handle.

Item No.	Description	*SER* **3476** 3 Pc. Set
SER **3470**	Heavy-Duty Hook & Cotter Pin Puller	•
SER **3475**	Heavy-Duty Scratch Awl	•
SER **3474**	Heavy-Duty Spring Hook Too	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HOOK & PICK SET
Five-piece set includes a 5" aluminum handle knurled for a sure grip. It also includes the following heat-treated, high carbon steel picks: O-ring, 90°, straight and hook. Use picks to pull O-rings, seals, cotter pins and brushes quickly and easily.

SER **3121**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

4 PC. DOUBLE ENDED PICK AND HOOK SET
Use for precision assembly, hobby, pulling O-rings, cotter pins, springs, washers, etc.
- Pick and hook types: Small angle hook, straight pick, full hook and 90° hook
- Set includes four different tools, each with a different sharp stainless steel tipped end
- The instruments are ideal for jewelers, mechanics, fishermen, gun repair and much more

BK **774-0012**

O-RING & SEAL PICK
Remove and install O-rings and small oil seals. Hardened tip keeps a sharp point. Tool is ideal for transmission, power steering pump, disc brake and air conditioning repairs.

SER **2554**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2 PC. SPECIALTY PICK SET
Hardened tips. Knurled center grips. Set includes 90° double end scribe, O-ring and seal pick.

BK **776-9161**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SCRIBER
Sharp, tempered point scribes metal. Hooked end removes O-rings, seals and gaskets. It has a 90° hook. Length: 9½".

SER **2979**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Lightweight design features quality stainless steel drop point blade. Aluminum handle has built-in lever that keeps hands safe from blade while in use. Features built-in pocket clip. Blade length: 3". Handle length: 4.4". Overall length: 7.6".

BK **SWA1CP**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SCHRADE

SCHRADE® UNCLE HENRY® GOLDEN SPIKE FOLDING POCKET KNIFE WITH LEATHER SHEATH

7Cr17 High carbon stainless steel clip point blade. Staglon bone handle with nickel silver guard and pommel. Brown leather belt sheath with sharpening stone. Blade length: 5". Handle length: 4.4". Overall length: 9.4".

BK **153UHCP**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

DOUBLE LOCK PRO RAZOR KNIFE

The Pro Razor knife was built with safety in mind. Utilizing our Double Lock technology, anyone can work with confidence knowing that the added protection prevents the knife from accidentally closing. The knife's fiberglass filled nylon handle has a specially designed shape to fit nicely in your hand with texture for grip and easy pulling motion with the knife. The knife is equipped with standard sized double ended utility blades and the E-Z replace system makes it easy to quickly change the blades while working.

- Thumb studs for one-handed opening, deep-carry pocket clip and included lanyard hole
- Double-lock mechanism
- Quick flip of the lever on the body of the knife allows for quick blade replacement
- Fiberglass filled nylon handle with textured grip
- 3.44" blade length. 7.24" overall length
- Stainless-steel blade material

BK **DX199**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

FRAME LOCK FOLDING KNIFE

This knife is perfect for backpacking or any situation where reduced weight or space is a concern. When closed, the nylon micro handle prevents the blade edge from snagging and is only on one side of the stainless-steel frame to reduce bulk. A thumb hole in the blade makes opening the blade convenient and easy.

- Frame-lock mechanism
- Nylon micro handle prevents the blade edge from snagging
- Thumb hole and lanyard hole
- 2.05" blade length. 4.92" overall length
- Stainless-steel blade material

BK **FX175**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

FRAME LOCK FOLDING KNIFE

This knife is built for a combination of both style and function. Opening with thumb studs on the blade and having a two-position pocket clip, the knife is quickly adaptable for multiple carrying methods. The stainless-steel blade will power through the toughest cutting jobs while still easy to sharpen.

- Frame-lock mechanism
- Laminated wood handle over a stainless-steel frame with thumb notches for grip
- Thumb studs for one-handed opening, two-position pocket clip and included lanyard hole
- 4" blade length. 8.75" overall length
- Stainless-steel blade material

BK **FX412**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

BLADE ASSIST FOLDING KNIFE

Using our Blade Assist technology, this knife is incredibly fast and easy to open so you can get to work on whatever task is at hand. Combines a liner lock with our Max Lock System to make sure you can comfortably use our knife without it accidentally closing or even opening in your pocket. Also has a textured nylon handle and stainless-steel frame with a deep-carry pocket clip.

- Max-lock mechanism with blade assist
- Fiberglass filled nylon handle over a stainless-steel frame with textured grip
- Seat-belt cutter, glass breaker, thumb studs for one-handed opening and three-position pocket clip
- 3.75" blade length. 9.13" overall length
- 7Cr17 Stainless-steel blade material

BK **RX395**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

DOUBLE LOCK FOLDING KNIFE

With a checkered fiberglass-filled nylon handle for a secure grip and a partially serrated blade, this knife is a sleek and useful daily carry. Utilizing double lock technology, anyone can work with confidence knowing that the added safety prevents the knife from accidentally closing.

- Thumb hole, three-position clip and lanyard hole
- 3.30" blade length. 7.80" overall length
- 7Cr17 blade material

BK **DX311**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

DOUBLE LOCK FOLDING KNIFE

This is an optimal knife for every day carry when your tasks involve the outdoors. With a checkered nylon handle for a secure grip and a partially serrated blade, the knife is lightweight and durable. Utilizing our double lock technology, anyone can work with confidence knowing that the added safety prevents the knife from accidentally closing.

- Thumb hole, deep-carry pocket clip and lanyard hole
- 3.63" blade length. 8.5" overall length
- 3XR13 Stainless-steel blade material

BK **DX625**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Knives

COAST

DOUBLE LOCK FOLDING KNIFE

This knife comes with a checkered fiberglass-filled nylon handle and thumb notches on top of the blade for a secure grip. Utilizing our double lock technology, anyone can work with confidence knowing that the added safety prevents the knife from accidentally closing.

- Thumb studs for one-handed opening, three-position pocket clip and lanyard hole
- 3.62" blade length. 8.40" overall length
- 7Cr17 blade material

BK **DX340**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COAST

DOUBLE LOCK FOLDING KNIFE

A grip-textured nylon handle not only makes this knife easy to hold, but it also gives it incredible strength and durability. Utilizing our double lock technology, anyone can work with confidence knowing that the added safety prevents the knife from accidentally closing.

- Fiberglass filled nylon handle over a stainless-steel frame with textured grip
- Seat-belt cutter, glass breaker, thumb studs for one-handed opening and deep-carry pocket clip
- 3.66" blade length. 8.40" overall length
- 7Cr17 blade material

BK **DX330**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COAST

DOUBLE LOCK FOLDING KNIFE

This is not only a widely useful knife, but a beautiful one too, combining wood, aluminum and stainless steel. Utilizing our double lock technology, anyone can work with confidence knowing that the added safety prevents the knife from accidentally closing. The laminated wood handle features a textured pattern and thoughtfully designed handle for secure gripping. The thumb hole and flipper on the lower part of the blade ensures fast one-handed opening. The knife can be easily stored with a deep-carry pocket clip.

- Laminated wood handle over a stainless-steel frame with thumb notches for grip
- Thumb hole, flipper for easy opening and deep-carry pocket clip
- 3.5" blade length. 8.13" overall length
- 7Cr17 blade material

BK **DX375**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COAST

LINER LOCK FOLDING KNIFE

With a checkered fiberglass-filled nylon handle with finger grooves carefully places, this knife is the perfect fit for your hand. The knife opens easily with thumb studs on the blade and stays open safely with a liner lock.

- Liner-lock mechanism
- Fiberglass filled nylon handle over a stainless-steel frame with textured grip
- Thumb hole, flipper for easy opening, and deep-carry pocket clip
- 3.13" blade length. 7.25" overall length
- 7Cr17 blade material

BK **LX315**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COAST

2.5 IN. CHASM KNIFE

This lightweight and reliable lock-back folder is the perfect everyday carry knife. The double-sided thumb stud allows easy, one-hand opening and the pocket clip contours perfectly with the handle so it feels like an integral part of the grip.

- Blade is heat treated and hand finished to a razor's edge for superior edge retention and performance
- Double molded Zytel® handles feature rubberized TPR inserts for a secure, non-slip grip, even when wet
- Blackstone™ coated
- Closable
- 5.5 In. overall length

BK **CHY-25C**

OUTDOOR EDGE

OUTDOOR EDGE® WILD-LITE 6 PC. KNIFE SET

Lightest, most compact knife set with hard-side carry case is perfect for field use and home processing. Weighing just 20 ounces, this complete 6-piece set includes a full-tang caping knife, gut-hook skinner, boning/fillet knife, fame cleaning gloves and two-stage ceramic/carbide sharpener to maintain a razor edge at all times.

- Blades are precisely heat treated and hand finished shaving sharp
- Rubberized, blaze-orange TPR handles offer high visibility in the field and ensure a non-slip grip, even when wet
- Elk horn inlay provides extra indexing points for greater control, and prevents fatigue during long use

BK **WL-6**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INDEX

WARNING: Always wear protective eyewear when using hand tools and accessories.

OUTDOOR EDGE® WILD PAK 8 PC. KNIFE SET

The complete 8-piece, field-to-freezer game processing set with hard-side carry case includes a caping knife, gut-hook skinner, boning/fillet knife, wood/bone saw, ribcage spreader, game cleaning gloves and a tungsten carbide sharpener to maintain a shaving-sharp cutting edge at all times.

- Blades are precisely heat-treated, taper ground thin and hand-finished shaving-sharp for superior edge retention and performance
- Rubberized blaze=orange TPR handles offer high visibility in the field and ensure a non-slip grip, even when wet
- Elk horn inlay provides extra indexing points for greater control and to prevent fatigue during long use

BK **WP-2**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OUTDOOR EDGE® REELFLEX™ 5 PC. FILLET KNIFE SET

From the rivers of Alaska to the
Florida coast and every body of water in between, the ReelFlex™ is crafted for the professional
fisherman to get the toughest fillet job done right.

- Double-tempered blades for superior flex
- Hard-side case with English/metric rulers to size your catch
- Corrosion resistant V-ground stainless steel
- Rubberized TPR handles ensure a non-slip grip when wet
- Carbide/ceramic sharpener maintains a razor edge

BK **RFP-6**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WILDPAIR SKINNER/CAPER COMBO KNIFE SET

Lightweight field combo with two perfect blades to get the job done fast. The deep bellied gut-hook skinner opens game like a zipper and the caping knife performs detailed cuts with surgical precision. The 420J2 stainless steel blades are precisely heat treated to hold a great edge, and are hand finished shaving sharp. Rubberized, blaze-orange handles offer high visibility in the field, and ensure a nonslip grip, even when wet. Comes complete with a nylon belt sheath. Make the cut and get the job done fast with the WildPair, by Outdoor Edge.

- Ergonomically shaped, high visibility blaze-orange TPR handles reduce hand fatigue after long periods of use and ensure a safe and comfortable grip, even in the slickest conditions
- Both knives are positioned side by side to quickly change between skinner and caper; nylon retainer straps secure both knives in place so the WildPair stays clean, dry and always ready
- Each knife is perfectly balanced; full-tang 420J2 stainless steel blades are precisely heat treated, taper ground, then hand finished to a shaving sharp edge for superior edge retention and performance
- Deep bellied skinner removes hide quickly and gut-hook opens game like a zipper without piercing internal organs; caping knife performs details cuts with surgical precision; comes complete with a camo nylon belt sheath

BK **WR-1C**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

GAME-PRO 11 PC. GAME-PROCESSING KNIFE SET

This complete 11-piece game processing set includes a caping knife, gut-hook skinner, boning knife, butcher knife, wood/bone saw, cutting mat, ribcage spreader, game cleaning gloves, and sharpener all stored in a hard side carry case. The full-tang 420J2 stainless steel blades are precisely heat treated, taper ground and hand finished shaving-sharp for superior edge retention and performance. Rubberized TPR handles ensure a comfortable and safe, non-slip grip. Save the cost of commercial processing and guarantee the quality of the meat with the Game Processor by Outdoor Edge.

- Each knife and tool snap securely into place, keeping the Game Processor set clean, dry, organized and always ready
- Ergonomically shaped TPR handles reduce hand fatigue after long periods of use and ensure a safe and comfortable grip, even in the slickest conditions
- Each knife is perfectly balanced; full-tang 420J2 stainless steel blades are precisely heat treated, taper ground, then hand finished to a shaving sharp edge for superior edge retention and performance
- All the tools to process game like a pro; Includes a caping knife, gut-hook skinner, boning knife, butcher knife, wood/bone saw, tungsten carbide sharpener, ribcage spreader, heavy-duty game shears, cutting mat, and game cleaning gloves in a hard-side carry case

BK **GP-11**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

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WARNING: Always wear protective eyewear when using hand tools and accessories.

Knives

3.5 IN. OUTDOOR EDGE® ONYX EDC 3-BLADE FOLDING RAZOR KNIFE

- Handle features Trimond™ texture pattern for a non-slip grip, even when wet
- Double sided thumb stud allows easy, one-hand opening
- Replaceable pocket clip contours with the handle so it feels like an integral part of the grip
- Comes complete with three replacement blades
- Drop point blade type
- Closable and locking

BK **OX-10C**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BK **RLB-30C**

3.5 IN. RAZOR-LITE EDC 6-BLADE FOLDING RAZOR KNIFE

- Blades are precisely heat treated and hand finished shaving-sharp
- Comes complete with six replacement blades
- Double molded Grivery® handle features rubberized TPR inserts for a non-slip grip, even when wet
- Double-sided thumb stud allows easy, one-hand opening
- Replaceable pocket clip contours with the handle so it feels like an integral part of the grip
- Drop point blade type
- Closable and locking

Item No.	Description
BK **RLB-30C**	Orange
BK **RLU-40C**	Blue

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3.5 IN. OUTDOOR EDGE® REPLACEMENT BLADES

Set of 6 Japanese 420J2 stainless steel replacement razor blades. Each blade is precisely heat-treated and hand-finished to a surgically-sharp cutting edge.

- Blades fit all 3.5 in. models of Outdoor Edge's RazorSafe™ Series knives
- Drop point blade

BK **RR-6**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RAZOR-SAFE COMBO BLADE SET

Set of six (6) Japanese 420J2 stainless steel replacement razorblades. The combo pack includes (3) 3.5-inch drop point blades, (2) 5-inch boning/fillet blades and (1) gutting blade. Each blade is precisely heat treated and hand finished to a surgically sharp cutting edge. The combo pack blades are compatible with the following models: 3.5-inch RazorLite EDC, RazorLite, RazorPro, 3.5-inch Onyx EDC, RazorBone, RazorMax and RazorFin. Not all folding models of knife will close with this style of blade.

- Blades are precisely heat-treated and hand finished shaving-sharp to ensure excellent edge retention and performance
- Blades are compatible with the 3.5-inch RazorLite EDC, RazorLite, RazorPro, 3.5-inch Onyx EDC, RazorBone, RazorMax and RazorFin
- Comes with a polymer blade storage box to safely transport used blades once the job is complete. The Blade Box stores up to three blades total; (1) 3.5-inch Drop-Point blade, (1) 5.0-inch Boning/Fillet blade and (1) Gutting blade

BK **RRC-6**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

RAZORBONE 6-BLADE KNIFE SET

The RazorBone merges big blade performance with folding knife convenience in a compact, lightweight multi-blade set to breakdown the biggest of game fast and easy. Three interchangeable blade styles work in unison to field dress, skin, debone and prepare fresh game meat into family size portions, all with one tool that never needs sharpening. The blade is seated in a 420J2 black-oxide coated blade holder. The RazorBone includes three 3.5-inch drop-point blades, two 5-inch boning/ fillet blades plus the new gutting blade to open game like a zipper without piercing vital organs. The structured nylon sheath features a divider to store extra blades and houses a blade storage box to pack out all 3 blades once the job is complete. Additional replacement blade packs are sold separately.

- Includes orange polymer Blade Box to safely store blades after use
- Features two compartments to store both the knife and spare blades
- The stainless-steel pocket clip is securely attached to the polymer handle keeping the knife readily available
- Incredibly strong, lightweight Grivory fiberglass/nylon polymer frame with rubberized nonslip TPR molded into the grip
- When a blade goes dull, simply push the lock release button in the handle to remove and insert a shaving-sharp new one
- Japanese 420J2 stainless blades are precisely heat-treated to ensure excellent edge retention, then hand finished shaving sharp
- Folding replaceable blade knife with 3 styles of interchangeable blades including 3.5-inch drop-point, flexible 5-inch boning/fillet blade plus gutting blade to open game like a zipper for one knife to process game from field to freezer

BK **RBB-20C**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

WARNING: Always wear protective eyewear when using hand tools and accessories.

LEHAWK™ FOLDING KNIFE

Life is full of uncertainty from your daily commute, trekking through a new country and every outdoor activity in between, having a sharp effective knife that deploys quickly is an essential. When life throws problems your way, grab for the LeHawk™ and deliver a quick, to the point answer. Designed by custom knife maker Jerry Hossom.

- The rubberized TPR handle sports a unique duck head design providing a variety of secure griping positions, even in wet conditions
- The unique polypropylene sheath features a locking latch to securely hold the knife in place. There is a removable 360-degree rotating clip to provide a variety of carry options from tip up, tip down, scout, can't and even neck carry with the included 550 paracord
- The Blackstone coated 8Cr14MoV Stainless Steel Wharncliffe blade is precisely heat treated and hand finished to create a razor-sharp edge and is extremely corrosion resistance while providing precision and power directly to the cutting edge, making this a great knife for a variety of cutting tasks

BK **LHK-40C**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

OUTDOOR EDGE® 3.5 IN. DIVIDE FOLDING KNIFE

This flipper opener folding knife features an 18 ball-bearing pivot system for smooth, lightning fast blade deployment and rock-solid lockup with no side-play. The non-reflective Blackstone™ coated 8Cr13MoV stainless blade is precisely heat-treated and hand finished shaving-sharp for superior edge retention and performance.

- Sturdy integral frame-lock
- Pocket clip

BK **DV-10C**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OUTDOOR EDGE® 3 IN. CONQUER FOLDING KNIFE

Form meets function in Jerry Hossom's elegant new flip-open folder design. The 18-ball bearing pivot opens the blade silky smooth with a rock-solid lockup and no side play. The robust 8Cr13MoV blade with Satin-Stone finish balances perfectly with the 3D contoured G10/titanium coated stainless steel handle with pocket clip.

BK **CQ-30C**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OUTDOOR EDGE® SLIDEWINDER RAZOR BLADE POCKET KNIFE MULTI-TOOL

This nimble little multi-tool accepts standard utility razor blades and sports handy flat head and Phillips screwdrivers, pocket clip and an always welcome bottle opener. The slide opening blade locks securely and springs back into the handle automatically with the push of a button. The SlideWinder makes a great addition to any toolbox, keychain, glove box, pants pocket, kitchen drawer and more.

BK **SWK-30C**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CHOWLITE FOLDING MEALTIME MULTITOOL

This lightweight stainless steel eating utensil gets the job done while taking up minimal space. The folding design swings open and locks securely, revealing a full size fork and spoon with a serrated food separator, integrated bottle opener, can opener and flathead screwdriver.

- Highly corrosion resistance and overall toughness will live up to the demands of the outdoors while adding minimal weight to you camp
- The folding design saves on space and swings open and locks securely, revealing a full-size fork and spoon with a food separator, integrated bottle opening, can opener and flat head screwdriver

BK **CWL-20C**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

EDGE-X 2 STEP KNIFE SHARPENER

The perfect, pocket-sized sharpener for shaping and maintaining a razor-sharp edge on all your outdoor and kitchen knives. The pivoting X-base folds out to improve safety and stability during sharpening for a more precise edge. Set at a universal 22 degree angle, the coarse tungsten carbide bits reshape a dull blade quickly, while the fine ceramic rods finish the blade to a razor's edge. The rubberized TPR finger hold ensures a non-slip grip and four 3M® rubber foot pads secure the X-base to most any flat surface. After use, the Sharp-X folds down flat for storage.

- This lightweight sharpener is compact is perfect for shaping and maintaining a razor-sharp edge your knives
- The coarse tungsten carbide bits reshape a dull blade quickly and the ceramic rods finish the blade to a universal 22 degree angle for a razor sharp edge
- The Zytel glass/nylon base folds out to an "X" shape to improve safety and stability while the rubberized orange TPR finger grip reduce accidental slipping

BK **SX-100**

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Knives

SHARPAL GIVING YOU THE EDGE

MULTI-PURPOSE SHARPENING TOOL

Sharpal *BK* **123N** Multi-Purpose Sharpening Tool restores and hones all sorts of knives, garden implements, scissors, tools edge, etc. Use it for touching up your pocket knives, scissors or poultry shears. Out in the garden you can restore a good edge to axes, pruners, hedge shears, loppers, hoes, spades, scythes, machetes, etc. Sharpen chisels, scrapers and other professional tools in your workshop. Compact and portable design with pen clip fits in your pocket, hunting pack, tool box or kitchen drawer.

- Built-in lanyard hole
- Soft grip rubber handle for comfort
- •Full carbide construction for durable use
- Compact and portable design with pen clip
- Restore and hone all sorts of knives, garden implements, scissors, tools edges, etc.

BK **123N**

SHARPAL GIVING YOU THE EDGE

6-IN-1 KNIFE SHARPENER & SURVIVAL TOOL

This 6-in-1 knife sharpener and survival tool features pre-set crossed tungsten carbides for quick edge setting and ceramic blades for fine honing. Useful for hunters, fishermen, campers, fire & rescue and cooks.

- Compact body with lanyard hole fits in your pocket, hunting pack or tool box
- Tapered diamond rod with grooves for serrations, gut hooks and fish hooks
- Integrated with fire starter
- High-pitched emergency whistle

BK **101N**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.**

SHARPAL GIVING YOU THE EDGE

5-IN-1 KNIFE & HOOK SHARPENER

This 5-in-1 knife and hook sharpener features pre-set crossed tungsten carbides for quick edge setting and ceramic stones for fine honing. It comes with rubber over-molded body and feet for secure and comfortable grip. Perfect for the avid angler or outdoorsman's use.

- Multi-groove sharpening stone for fishhooks and pointed tools
- Built-in line cutter
- Integrated compass for directional travel

BK **102N**

SHARPAL GIVING YOU THE EDGE

BUDDYGUARD™ DUAL-GRIT DIAMOND KNIFE SHARPENER

Buddyguard™ dual-grit diamond sharpener with leather strop is excellent for sharpening even the hardest steel blades and works best on hunting knives, tactical knives, everyday pocket knives and tools edge. Industrial monocrystalline diamond is electroplated in nickel onto a stainless steel base. With industrial precision flat, hard wearing surface and durable design, it guarantees consistent, even sharpening for years of dependable use.

- Coarse 325 grit for quick edge setting
- Extra fine 1200 grit for honing
- Leather sheath can act as leather strop putting the polished finish on edges
- 6.6 ft. paracord for survival tasks

BK **181N**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.**

SHARPAL GIVING YOU THE EDGE

TRANSFORMAN™ 3-IN-1 DIAMOND ROUND & TAPERED ROD KNIFE SHARPENER

Transforman™ 30in01 diamond round and tapered rod sharpener makes it easy to sharpen all kinds of knives, including those with serrations, gut hooks, fishhooks and pointed tools. When not in use, the sharpening rod can fully store in reversible aluminum handle for easy carrying.

- Durable monocrystalline diamonds fine 600 grit (25 micron)
- Comes in portable storage pouch
- Sharpen dry, no messy oil needed
- Round diamond coated rod for sharpening straight edge
- Tapered diamond coated rod for sharpening serrations and gut hooks
- Sharpening groove for fishhooks and pointed tools

BK **178N**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.**

SHARPAL GIVING YOU THE EDGE

ALL-IN-1 KNIFE, PRUNER, AXE & TOOL SHARPENER

This all-in-1 knife, pruner, axe and tool sharpener is the most versatile sharpener in the market. The sharpener features three sharpening slots of preset optimal sharpening angle, one carbide bar and one ceramic bar to restore and hone all sorts of knives, garden implements, scissors, tools edge, etc.

- Rubber over-molded handle and base provide secure and comfortable grip
- Oversized handle allows for use with gloves
- Large safety hand guard
- Built-in lanyard hole

BK **103N**

WARNING: Always wear protective eyewear when using hand tools and accessories.

SHARPAL GIVING YOU THE EDGE

KNIFE & SCISSOR SHARPENER

Knife and scissor sharpener-fashion version is a perfect sharpener for European/American style knives. Stage 1 uses two crossed carbide blades to put a quick edge on knives and stage 2 uses ceramic blades to hone the fine edge. The special shaped tungsten carbide blade is for scissors sharpening.

- Can also be used for serrated blades, only stage 2
- Preset optimal sharpening angle
- Rubber-coated base for firm grip
- Weighted to be safe and secure

BK **206N**

SHARPAL GIVING YOU THE EDGE

FACEOFF™ DUAL-GRIT DIAMOND TOOL SHARPENER

Faceoff™ dual-grit diamond tool sharpener is ideal for restoring and honing all sorts of axes, hatchets, mower blades, machetes, shovels, hoes and other tools edge. Industrial monocrystalline diamond is electroplated in nickel onto a steel base. With industrial precision flat, hard wearing surface and durable design, it guarantees consistent, even sharpening for years of dependable use. The double-sided diamond coated plate is firmly attached to octagonal shape handle by a magnetic holder. It is so simple to change grit by inserting a finger into the notch, lifting the plate off the base and turning the plate over.

- Sharpen dry, no messy oil needed
- Finger guard for safety
- Comes in portable storage pouch
- Extra coarse 220 grit for a damaged or very dull edge
- Fine 600 grit for a sharp edge
- Easy-grip handle ensures a comfortable and secure grasp

BK **216N**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.**

SHARPAL GIVING YOU THE EDGE

3 PK. CREDIT CARD SIZED DIAMOND SHARPENING STONES

Sharpal *BK* **116N** 3 Pc. Credit Card Sized Diamond Sharpening Stones. Fits easily in pocket or wallet. Each comes in a convenient storage pouch. Industrial monocrystalline diamond is electroplated in nickel onto a steel base for longevity. Ideal for knives, small edged and pointed tools including carbide, high speed steel, titanium, ceramics and most any super hard material including the newer materials being used by most knife manufacturers.

- 3¼ in. L x 2⅛ in. W x .14 in. D.
- Each with storage pouch
- Compact and pocketable credit card size
- Extra fine 1200 grit (9 micron) for honing
- Fine 600 grit (25 micron) for a sharp edge
- Coarse 325 grit (45 micron) for quick edge setting
- Sharpen dry. No messy oil or water needed
- Mirror polish finish on rear side for emergency signaling
- Ring grip holding to protect hands from hurting when sharpening
- Ideal for sharpening knives, small edged and point tools, including carbide and high speed steel tools

BK **116N**

CARLYLE TOOLS by NAPA

17-IN-1 PRECISION MULTI-TOOL

17-In-1 multi-purpose precision tool features stainless steel attachments and blue padded stainless steel handle. Some of the functions are long nose and regular pliers, ¼", 3/16", ⅛", and 1/16" slotted screwdrivers, #2 Phillips screwdriver 2½" drop point blade, 2½" serrated blade, 2½" wood saw, wire cutters, wire strippers, hard file, soft file, bottle opener, nail cleaner and an awl. Tool comes with a convenient nylon belt pouch.

CHT **MT17**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer or reproductive defects. For more information, go to www.p65warnings.ca.gov.**

OUTDOOR EDGE

HEAVY-DUTY FOLDING UTILITY KNIFE

This folding knife is a massive upgrade to the classic box cutter. The perfect ergonomics along with extensive jimping on the stainless steel blade holder delivers power from your hand directly to the cutting edge. Simply and safely replace blades with a flick of your finger using the safety guarded thumb button. Accepts all standard utility razor blades. Constructed of 420J2 stainless steel with a sure-grip textured glass/nylon polymer handle with pocket clip.

- Integrated thumb stud allows for easy one hand opening, making this a great addition to any job site or home project
- The 420J2 stainless steel blade holder is mounted to a sure-grip textured ABS polymer handle with an integrated pocket clip
- The blade holder features a thumb-activated blade release button with guard for safe and secure blade changes with the flick of a finger
- Extensive jimping on the stainless-steel blade holder provides a secure, tactile grip allowing for precise control and for transferring power direct from the hand to the cutting edge
- Includes 3 blades

BK **BOB-10C** Orange
BK **BOK-20C** Black

⚠ **WARNING: This product contains chemicals including chromium which is known to the State of California to cause cancer, birth defects, or other reproductive harm. https://www.p65warnings.ca.gov/**

CRAFTSMAN

SPRING ASSIST POCKET KNIFE

- Quick One Handed Opening: Spring assist
- Serrated stainless steel blade
- Optimized bi-material grip
- Integrated liner lock mechanism

CTM **CMHT10934**

CRAFTSMAN

BALL BEARING POCKET KNIFE

- Ball bearing assist
- Serrated stainless steel blade
- Optimized grip
- Integrated liner lock mechanism

CTM **CMHT10935**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Knives

DEWALT

FOLDING POCKET KNIFE

- Stainless steel blade for durability and rust resistance
- Thumb stud for easy opening
- Slim, lightweight handle for a comfortable grip
- Combination blade with both serrated and straight edges
- Liner lock secures blade in open position

DEW **DWHT10272**

IRWIN

FOLDING UTILITY KNIFE

- Press-n-change button releases patented IRWIN® Bi-Metal BLUE BLADE™
- Wide thumb ledge
- Wire stripper notch
- Anchored belt clip
- Locking release

VG **2089100**

DEWALT

AUTOLOAD FOLDING KNIFE

- Automatically loads a new blade
- Quick and easy blade loading – intuitively functions as a regular folding knife
- Accepts all standard utility blades – does not require special blade packs
- Folding feature for quick and easy one-handed opening/closing

Item No.	Blade Storage	Retractable Blade	Handle Length	Weight
DEW **DWHT10261**	Yes	Yes	6¾"	0.38 lbs

DEWALT

RETRACTABLE KNIFE

- Blade storage in handle for convenient access to new blades
- Rapid load blade changing system for quick and easy blade change
- Rugged metal body for exceptional durability and life

Item No.	Blade Storage	Retractable Blade	Handle Length	Weight
DEW **DWHT10046**	Yes	Yes	6¾"	0.42 lbs

DEWALT

FIXED BLADE KNIFE

- Easy, tool free open for quick blade change
- Slim nose for accurate cuts
- Rugged metal body for exceptional durability and life

Item No.	Blade Storage	Handle Length	Weight
DEW **DWHT10246**	Yes	6"	0.35 lbs

CRAFTSMAN

RETRACTABLE UTILITY KNIFE (2 PK.)

- Push button tool-free blade change
- Swing out blade storage
- Use even when blade is retracted

Includes: (3) Blades

CTM **CMHT10378**

CRAFTSMAN

FIXED FOLDING UTILITY KNIFE

- Push button blade change
- Compact slim and folding design

Includes: (10) Blades

CTM **CMHT10385**

CRAFTSMAN

RETRACTABLE UTILITY KNIFE

- Push button tool-free blade change
- Swing out blade storage
- Integrated string cutter for use even when blade is retracted

Includes: 3 utility blades

CTM **CMHT10926**

CRESCENT Wiss

QUICK-CHANGE FOLDING UTILITY KNIFE

- Blade safely folds into handle for compact size and easy storage
- Built in blade storage
- Accepts all standard type utility knife blades
- Includes bonus 10 pack of blades

APX **WKF2**

CRESCENT Wiss

AUTO-RETRACTING SAFETY KNIFE

- Blade retracts automatically the moment it loses sontact with the material being cut
- Helps reduce workplace injuries, lowering lost time and increasing productivity
- Accepts all standard type utility knife blades
- Quick and easy blade change

APX **WKAR2**

CARLYLE TOOLS by NAPA

THREE-POSITION RETRACTABLE KNIFE

Push the button to project or retract knife blade in 3 positions: full, half and quarter cut. Four blades are included and the extra blades are stored in the handle. Overall length: 6".

SER **2999** Retractable Knife
SER **3001** Replacement Knife Blades (5/Pack)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear protective eyewear when using hand tools and accessories.

RAPID TOOLS

EXTEND-A-BLADE UTILITY KNIFE

Designed for jobs where you need more cutting depth, like drywall repair and removing carpet, our Extend-A-Blade knife holds blades that are double the length of standard retractable knife blades. This makes it ideal for cutting through thicker materials that standard box cutters just don't have the reach to get through efficiently. The included Rapid Edge blade is ideal for cutting everything from simple cardboard to rope, shingles and rubber. An excellent choice for detailed projects, it has a classic straight edge that allows you to make smooth, precise cuts through softer materials. With the Extend-A-Blade utility knife, blade changes are easy: simply push and hold the button to slide your blades in and out whenever they need replacing. The box cutter offers 3 blade positions, allowing you to adjust it to just the right depth for each project. This makes it a versatile option ideal for cutting everything from paper to thick carpeting. It also boasts a 2-position handle lock to keep it securely in place. The knife has a convenient folding design, making it easy to store in your pocket or toolbelt. This also ensures that the blade is concealed when it is not in use, helping to prevent accidental cuts and scratches.

- Provides twice the cutting depth
- Extra-long design for deeper cuts
- Folds to compact size, includes belt clip
- Adjustable blade positions for versatility

BK **RT00010**

RAPID TOOLS

FOLDING UTILITY KNIFE

Features a durable stainless steel construction with an anodized aluminum handle and ABS comfort grip. Use it to cut through a variety of tough materials, including cardboard, plastic, rope, vinyl, and more. Superior blade design lasts 5X longer and is 2X sharper. Designed to perform, this foldable knife is fitted with a serrated blade that was made to last five times longer and is two times sharper than standard utility blades. A sharp blade is crucial for cutting through tough material with minimal resistance. This Rapid Edge foldable utility knife comes with 1 serrated utility blade. The multi-purpose design allows for quick changes and is compatible with all standard utility blades. Simply press the push button release and slide the new blade into the safety blade cap for quick and easy replacement.

- Serrated blade
- Long lasting design
- Engages multiple cutting edges simultaneously
- Stainless steel

BK **RT00080**

EVERCRAFT

THREE-POSITION UTILITY KNIFE

Push the button to extend/retract blade full, half or a quarter. Extra blade storage in handle (one included). Overall Length: 6".

BK **776-9002** Three-Position Utility Knife
BK **776-9003** Replacement Knife Blades (5/Pack)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RAPID TOOLS

QUICK-CHANGE UTILITY KNIFE

This safety knife is specially designed to allow you to change blades easily and often. Simply release and hold the button to insert a new blade once your current one starts to dull. The handle also boasts a built-in storage compartment for extra blades, making it easy for a handyman or contractor to keep a few spares on hand while moving around the job site. This knife is equipped with three of Rapid Edge's patented serrated blades, which feature five individual surfaces that cut simultaneously to help distribute friction. This allows the blades to slide through tough materials faster and keeps them sharper longer than the straight-edged blades offered by competing brands, saving you time and money. The handle of the serrated knife is curved to sit in a natural position in any hand, helping to prevent annoying cramps and accidental slips and cuts. Soft grip at the top and bottom of the handle keep it comfortable to hold during long shifts and ambitious home improvement projects. A notch near the top of the handle exposes a small section of the blade even when it is retracted, allowing you to slide in and cut long strings. This makes it easy to trim off pieces of stubborn materials like twine and wire quickly and safely. The length of the blade can be adjusted easily using the Slide & Lock thumb control button, so you can expose just the right amount of the cutting edge for each job. The locking mechanism holds the blade of the safety box cutter securely in place, allowing for precise and even cuts.

- Soft grip handle
- Quick and easy blade changes
- Convenient safety string cutter
- Impressive ergonomic performance
- Perfect for DIY home improvement projects

BK **RT00008**

RETRACTABLE RAZOR KNIVES

Feature retractable, snap-off blades for quick renewal of cutting edge and convenient pocket-clip. Blade Length: 5 1/4". Quantity: 30.

BK **775-0240**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRESCENT Wiss

UTILITY BLADES

- High quality steel
- Fit most utility knives
- Heavy duty blades

APX **RWK14V**

CRAFTSMAN

INDUCTION HARDENED UTILITY BLADES (10 PK)

- Induction hardened blade for long lasting sharpness
- Blade stays 3 times sharper longer than traditional carbon steel blades
- Fits most standard utility knives
- 10 Pack

CTM **CMHT11700X**

WARNING: Always wear protective eyewear when using hand tools and accessories.

Knives & Shears

CRAFTSMAN

HEAVY DUTY UTILITY BLADES

- Heavy duty utility blade for general cutting, trimming, and scraping of a variety of materials
- Precision-honed edge for consistent and long cutting life
- Fits most standard utility knives

Item No.	Description
CTM **CMHT11921**	5 Pack
CTM **CMHT11921A**	100 Pack

RAPID TOOLS

SERRATED UTILITY BLADES

Each of the utility knife replacement blades features our patented Rapid Edge serration pattern. The unique pattern distributes the friction across five individual cutting surfaces, allowing the blades to slide through tough materials faster and keeping them sharp longer than traditional straight-edged box cutter blades. The utility razor blades are made from a durable metal that is tough enough to take on home improvement materials like shingles, drywall and carpet with ease. The blades also boast impressive precision, cutting cleanly through a wide variety of everyday household items like paper, cardboard, rubber and twine. The serrated knife blades are designed to be used with any standard utility knife, so you can pair them with your existing box cutter, or purchase one of our ergonomic Rapid Tools knives to upgrade your arsenal of tools for tasks like drywall repair and carpet installation.

- Long-lasting design
- Fits all standard knives
- Versatile all-purpose design
- Perfect for DIY home improvement projects
- Engages multiple cutting edges simultaneously

BK **RT00003** 5-Pack
BK **RT00015** 50-Pack

RAPID TOOLS

DOUBLE LENGTH UTILITY BLADES

Designed for jobs where you need more cutting depth, like drywall repair and removing carpet, these Rapid Edge blades are double the length of standard retractable knife blades. This makes them ideal for cutting through thicker materials that standard blades just don't have the reach to get through efficiently. When paired with our Extend-A-Blade utility knife, these blades can slide in and out with the simple press of a button, allowing you to swap out dull blades in seconds.

- General purpose cutting
- Provides twice the cutting depth
- Extra-long blades for deeper cuts
- Works with extendable folding knife
- 5-Pack

BK **RT00012**

AMERICAN LINE

HEAVY-DUTY UTILITY BLADES

For cutting mats, carpeting, wallboard, wallpaper, tile, plastic and wood. Card of five.

BK **770-3428**

CRESCENT Wiss

11 IN. TITANIUM COATED SINGLE RING ALL-PURPOSE SHEARS

- Titanium coating is 3 times as hard as steel prolongs the life of the blade
- Full-length steel blade extends through shear for maximum strength
- Heavy Duty premium grade stainless steel blades for extra durability and strength

APX **CW11TM**

CRESCENT Wiss

6-3/8 IN. ELECTRICIAN'S DATA SCISSORS

- Durable steel construction blades with titanium finish, 3X stronger than steel
- Integrated 19 and 23 AWG wire strippers in blade
- Cable cutter grooves give added boost and grip for shear cuts

APX **CW5T**

CRESCENT Wiss

10 IN. TITANIUM COATED ALL-PURPOSE SCISSORS

- Titanium coating is 3 times harder than steel for longer life
- Precision ground blades for smooth cutting
- Stainless steel blades for corrosion resistance

APX **CW10T**

CRESCENT Wiss

7 IN. TITANIUM COATED UTILITY SHEAR

- Titanium coating is 3X harder than steel for longer life
- Spring-loaded blades for reduced fatigue on repeated cuts
- Precision ground blades for smooth cutting
- Serrated blade grips materials securely for more even cutting

APX **CW7T**

CRESCENT Wiss

10 IN. TITANIUM COATED FULL METAL SCISSOR

- Titanium coating is 3X harder than steel for longer life
- Full-length steel blade extends through the shear for maximum strength
- Adjustable pivot allows for fine-tuning to most comfortable setting
- Cuts paper, cardboard, heavy fabric, rope, leather, plastics, and more

APX **CW10TM**

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

8 IN. FORGED SHEARS

Evercraft's 8 inch multi-purpose forged shear features spring-loaded blades to reduce hand fatigue from repeated cuts. These shears can be used to cut cardboard, heavy fabric, rope, leather, plastics and sheet iron and more.

- Metal locking mechanism for safe storage
- Precision ground blades make smooth cuts
- Drop-forged steel for strength and durability
- Dual cushioned handles provide a comfortable grip and controlled cutting

BK **774-0244**

CARLYLE TOOLS by NAPA

CARLYLE TOOLS BOTTLE OPENER

After a hard day's work in the shop, it's time to kick back, relax, and reach for one more tool of the day… The Carlyle Tools Bottle Opener. Made in the same facility as our premium, high quality, Carlyle Screwdrivers this Bottle Opener is built to last and more importantly deliver refreshing beverages.

- Heavy-duty quality construction
- Patented Carlyle Tools comfort grip
- Lifetime warranty

CHT **SDBO**

RAPID TOOLS

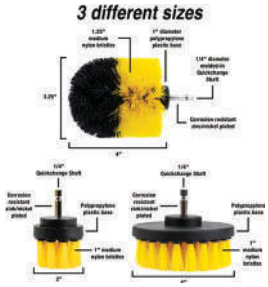
HEAVY-DUTY SCISSORS

Made of stainless steel from blade to core, Rapid Edge Heavy Duty Shop Scissors have the strength and durability you need on the shop floor. Cuts through cardboard, plastic, rope, burlap, and metal strapping. Use these industrial scissors at work to cut plastic, twine, metal strapping, and zip ties. Use them at home to cut up boxes and other packaging material for recycling. There are even built-in box cutters on the handles to make it quick and easy to score tape and open shipping boxes. The ergonomic design of the Rapid Edge heavy duty scissors makes these ideal for industrial and warehouse work, where associates cut repetitively. These large scissors feature roomy handles that accommodate larger hands and work gloves, without losing cutting power. The soft comfort grip handles are easy on skin and knuckles, and help reduce fatigue. Rapid Edge shop scissors come with a belt clip and full-blade scissor sheath. This lets you work hands-free with the scissors safely stowed away until needed. Designed for optimal size and comfort, Rapid Edge Heavy Duty Shop Scissors measure 10 inches long and weigh 0.8 lbs, making them a perfect fit for most hands.

- Box opener on handle
- Strong metal core design
- Ergonomic handles large enough for use with work gloves

BK **RT00079**

EVERCRAFT



3 PC. POWER TOOL BRUSH SET

These cleaning brushes are great for tile, grout, fiberglass, home, auto, boat and RV interiors.

- Durable and dependable
- Standard ¼ in. quick connect shaft molded to each brush for secure attachment to your power drill or driver (Power tool not included)
- 3 Pc. Kit contains 2 in. and 4 in. round flat brushes and one 3-1/2 in. dome shaped brush with medium stiffness polypropylene all-purpose bristles

BK **774-1168**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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WARNING: Always wear protective eyewear when using hand tools and accessories.

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Brake & Wheel Service

SILVERLINE® ELITE AUTOMOTIVE BRAKE BLEEDER KIT

Use wherever diagnostic pressure/vacuum is needed. Streamline your tool inventory by servicing vacuum and pressure related engine performance diagnostics and tune-ups, brake and hydraulic clutch bleeding, fluid transfer, evacuation and sampling.

Specifications

Max. Vacuum:..... 25" Hg
Max. Pressure:.....30+ PSI (207+ kPa)

BK **700-3882**

Contents

Qty.	Description
1	Silverline Elite hand vacuum/pressure pump w/ 2" (50mm) compound gauge w/rubber boot
1	4.5 oz. (135 ml) fluid reservoir bottle with fluid transfer and storage lids
4	Tapered adapters for connecting to tubing from .09" (2.3mm) to .50" (13mm) ID
2	Tapered manifold plugs
12	Vacuum cap plugs
1	Vacuum line T-adapter
2	1/4" (6.4mm) ID x 24" (610mm) long connection tubes
1	5/32" (4mm) ID x 1/4" (6.4mm) ID tubing adapter
3	Connection tubes
1	Rubber cupped adapter
1	Master Cylinder refill kit
1	Custom molded case
1	User's Manual (English, French Spanish, German)

⚠ WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

MAXPROHD HEAVY DUTY PROFESSIONAL REVERSE BRAKE BLEEDER KIT

The MaxProHD reverse bleeder allows one person to bleed brakes, or clutches in ten minutes or less. Removes trapped air in brake systems with no electricity or pressurized air required. Lightweight, portable case and instructional DVD are included for added convenience.

- Patented reverse fluid injection
- Cost effective and multi-functional
- No additional tools or clips required to bleed ABS systems

SER **2002HD-B**

⚠ WARNING: This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. www.P65Warnings.ca.gov.

VACUUM PUMP BRAKE BLEED KIT

Vacuum pump brake bleed kit is a combination of a hand vacuum pump (CP7830) and brake bleed kit (CP7840). A vacuum pump alone can only test vacuum operated sensors and components. A brake bleed kit allows one person to bleed brake fluid easily and cleanly. Easily check vacuum operated components on cars and trucks, including distributor advance mechanisms, heater and air conditioning baffles, PCV & EGR valves, headlight cover, doors and transmission modulators. Kit allows you to bleed brake fluid without the mess. Rugged steel pump handle, solid brass cylinder, cylinder head and piston. 24" hose with tapered hose adapter. Cushioned handle grips. Tapered barbed hose fitting. 90° Tapered adapters fit wheel cylinder/caliper and master cylinder applications.

Brake bleed kit includes adapters for all vehicle brake systems. Kit includes most common auto and light truck straight and angle adapters, reservoir, removable cap, air sealing lubricant, and hoses.

Contents: (1) tool, (1) tool hose, (1) T-Adapter, (3) tapered adapters, (1) large hose adapter (3) 90° adapters, (1) cup adapter, (2) reservoir hoses, (2) short hoses, (1) grease tube, (1) reservoir and (1) reservoir lid.

BK **700-2622**

BRAKEFREE™ BRAKE BLEEDER KIT

BrakeFree™ removes stuck screws and bolts. It vibrates the bleeder screw and can be worked back and forth with a 3/4 inch wrench. Extremely effective in removing rusted bleeder screws and no brake technician's toolbox is complete without it.

NOTE: Sockets not included

SER **4001-B**

UNIVERSAL EMERGENCY BRAKE TOOL

Allows technicians to compress the emergency brake cable spring with one hand. Keeps one hand free for brake shoe arm or lever replacement.

SER **44210**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EMERGENCY BRAKE CABLE RELEASE TOOL

Quickly and easily pushes the emergency brake cable out of the cable connector for rear brake service or replacement. Tool can be used on many domestic and import vehicles with an emergency brake cable at the rear wheels. Works on drum brake applications as well as vehicles with rear disc brakes.

SER **44220**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

STUD REMOVAL KIT

Designed and tested to reach studs in difficult work areas. Wheel stud remover stud size : 6 mm, 8 mm, 10 mm, 12 mm, 3/8", 7/16", 5/16", 1/4". Wheel stud remover weight : .15 lb

SER **41760**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

STUD EXTRACTOR

Stud extractor is used to remove stripped, broken or rusted nuts and bolts. It's designed to fit into small areas where studs may be hard to reach. 3/8 In. drive. 1/4 in. - 1/2 in. range.

BK **776-0012**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN

16 PC. LOCKING LUG MASTER KEY SET

The Steelman PRO set was designed explicitly for the purpose of removing locking lug nuts on aftermarket wheels. The set comes with both standard SAE and metric pieces that can be used on spline, star, hex and fluted hex fasteners.

- chrome vanadium sockets
- Kit includes a durable blow molded plastic case with locking clips for easy organization and hassle-free storage

SER **78537**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MASTER WHEEL AND HUB REMOVER AND INSTALLER

For removal and installation of front wheel hub and bearings on Asian, Domestic and German vehicles as well as rear wheel hubs and bearings on European vehicles.

- Works on front, rear and all-wheel drive vehicles
- Self-centering design is incredibly durable and easy-to-use
- Broader application with fewer components than many other tools
- Heavy-duty thrust bearing reduces effort and extends the life of the pressure screw
- Saves time by allowing tech to service components on the vehicle with no need for a shop press

SER **77-1081**

CARLYLE TOOLS by NAPA

HEAVY-DUTY UNIVERSAL WHEEL HUB PULLER

Use to pull wheel hubs where the bolt circle does not exceed 7 1/2". Tool quickly adjusts to fit any hub, regardless of the number of wheel studs.

SER **2251**

OTC

FOUR-WHEEL-DRIVE FRONT HUB PULLER

Removes front hub assembly on most 2000-94 Dodge Rams; 2000-97 Ford Expeditions/trucks; 2000-88 GM SUVs/trucks; and 2001-85 Jeep Cherokees. Ton Rating: 1/2, 3/4, 1.

BK **700-2453**

CARLYLE TOOLS by NAPA

FORD & DODGE HUB ASSEMBLY REMOVAL TOOL

Designed for removing the hub assembly from Ford 4-wheel drive pick up trucks when replacing ball joints, without causing damage to the wheel bearings. Enables the technician to drive wheel bearings out from the back of the hub assembly by threading the tool over the hub assembly stud. Threads of the tool match those of the stud so they are not damaged when striking. Includes an adapter for work on Dodge applications.

SER **90100**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ADJUSTABLE BEARING RACE & SEAL DRIVER

- Equipped with a steel capped striker shaft
- One tool takes the place of multi piece kits. Easier to store and use
- Easy to use locking collar allows user to easily lock jaws in place without a wrench or hex wrench
- Eliminates the need to carry a tool with multiple adapters. This is an all in 1 tool
- Stepped jaws adjust to quickly accommodate bearing race seals
- Aluminum Jaws
- Product Application: Bearing Race Seals from .708" to 3.543"

SER **506**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

HEAVY-DUTY BEARING RACE & SEAL DRIVER SET

Fits most Class 8 over-the-road trucks and trailers and some medium-duty trucks. Use the tapered driver side for bearing races and the flat side for seals. Includes six drivers and handle extension for driving bearing races and seals on hubs with deep brake drums without removing the drums. Contains: Drivers: $3^{43}/_{64}$", $4^{7}/_{8}$", $4^{13}/_{16}$", $5^{1}/_{2}$", $5^{25}/_{32}$", and 6", Handle Extension and Case.

SER **61900**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5.5MM FORD DISTRIBUTOR MODULE SOCKET

Easily remove and replace mounting screws on Ford ignition modules that are attached to the distributor. The module can be replaced without removing the distributor. Use it with $^{1}/_{2}$" open or box wrench or $^{1}/_{4}$" square drive $^{1}/_{2}$" socket. The socket is plated for corrosion resistance. **CAUTION: For intended use only.**

SER **3197**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORD MODULE WRENCH

Use wrench to remove and install Ford ignition modules without removing or moving distributor. Dual-ended ratchet wrench features both $^{7}/_{32}$" (5.5mm) and T-20 Torx® for most Ford applications. Wrench is designed with 25° offset to fit in confined areas.

SER **3410**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

GM IGNITION MODULE SOCKET

For removal and installation of distributor caps. Extra deep socket used on ignition switches.

SER **3940**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORD IGNITION MODULE WRENCH

For installing or removing ignition modules on Ford products. The *BK* **775-5930** $^{7}/_{32}$" hex and *BK* **775-5915** T-20 Star bit fits most Ford applications. Features two heat-treated, carbon steel shanks and a knurled aluminum knob. Can be rotated by hand or with $^{1}/_{2}$" wrench.

BK **776-9051**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IGNITION FILE

Use tool to file ignition points and other small objects. The thin blade has a fine grid on both sides and is ideal for removing carbon from points.

SER **2153**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IGNITION POINT FILE

Precise double cut file pattern. Doubles as light-duty general purpose file. High grade steel construction.

BK **776-9143**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DISTRIBUTOR CLAMP WRENCH SET

Reach around obstructions to turn the distributor lock nut with this double-ended wrench. It fits $^{1}/_{2}$" and $^{9}/_{16}$" lock nuts. Use an adapter to join wrenches or attach the wrench to a $^{3}/_{8}$" ratchet or extension.

SER **104**

OFFSET DISTRIBUTOR CLAMP WRENCHES

Used to reach around obstructions to turn the distributor lock bolt/nut with this double-ended wrench. Drop forged steel construction. Chrome-plated to resist corrosion.

BK **776-9053** $^{1}/_{2}$" & $^{9}/_{16}$"
BK **776-9228** 13mm & 15mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

SPARK PLUG TERMINAL PLIERS

Safely remove spark plug cables and prevent cable damage. Pliers handles and jaws are coated with a heavy-duty plastic for a sure grip.

SER **135**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

6 IN. SPARK PLUG TERMINAL PLIERS

Safely disconnects wires from spark plugs, while preventing wire damage. Nylon construction insulates technician from shock and heat, providing both safety and comfort. Length: 6".

BK **776-9050**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SPARK PLUG BOOT PULLER

Use this non-conductive tool to safely remove spark plug boots with the engine running. A flexible shaft makes it easy to reach the spark plug boot. Tool helps you avoid engine burns.

SER **2568**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

INSULATED SPARK PLUG BOOT PULLER

Removes spark plug wires safely without damage to the wires. Angle nose for easy access. Nylon insulated tips. Comfort grip vinyl handles. Non-conductive rubber-coated handles and jaws.

BK **776-9236**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN

2 PC. BOOT REMOVER SOCKET

Steelman PRO Sharkplug socket set contains two spark plug sockets combined with a shark tooth-like serrated edge. The sockets allow you to remove spark plugs and, if needed, cut away broken spark plug boots that obstruct regular spark plug sockets.

- Serrated edges of spark plug socket allow user to break away corrosion and easily remove them
- Deep
- Chrome Vanadium
- 12 Points
- SAE
- 3/8" Drive
- 5/8" and 13/16" Socket size

SER **79996**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD GLOW PLUG INSTALLER/ REMOVER

Prevents damage to the harness and connector rail.

SER **504**

LTI TOOLS

TAPERED SPARK PLUG STOPPERS

Plugs empty spark plug holes, preventing foreign debris from entering piston combustion chamber. Extra-long handles for overhead cam engines. Can also be used to plug air conditioning and oil lines. Quantity: 8.

BK **735-1292**

CARLYLE TOOLS by NAPA

FORD TRITON SPARK PLUG INSERT REPLACEMENT SET

Ford Triton 2 Valve Engines 1996 to 2003

Ford spark plug insert installer is designed to aid in repairing the Ford modular cylinder heads on four valve engines (Not for 3 valve engines or DOHC). Quality, fool-proof repair system that is fast, cost-effective and simple to use. Used to repair damaged heads from blown spark plugs, with alloy steel insert. Includes six thread inserts. Thicker than competitive brands, this allows for a superior repair. Thread Size: 14 x 1.25mm Taper Seat.

SER **38900** Spark Plug Insert Replacement Set
SER **389-100** Replacement Spark Plug Insert

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD TRITON SPARK PLUG EXTRACTION TOOL

Removes broken spark plugs on 2004-Up Ford Tritons with three-valve per cylinder engines. Unique porcelain pusher tool and tapered left-hand thread remover enable the extraction of spark plug without leaving porcelain in engine cylinder. Pusher is used to press porcelain piece farther into plug tip without breaking it, providing space for left-hand thread remover to bite into stainless steel plug tip.

SER **77-4021**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD SPARK PLUG EXTRACTOR

Removes broken spark plugs from the cylinder head on Ford Triton 5.4 l, 4.6 l, and 6.8 l, 3-valve engines without removing the head. Includes threaded shaft, barrel, washer, thrust nut, tap and vinyl cap.

SER **4663**

WARNING: Always wear eye and face protection.

Engine & Driveline

CARLYLE TOOLS by NAPA

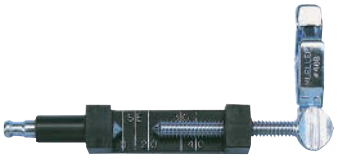
FORD BROKEN SPARK PLUG REMOVER KIT

A three step kit for removing spark plugs that have seized in the engine head and broken. Includes a unique porcelain puller tool that snaps onto the terminal of a broken spark plug to pull the porcelain out. Contents: gasket (x4), puller housing, puller screw, LH hex nut, porcelain pusher/puller, RH nut and puller/RH nut/sleeve. Also includes a porcelain pusher for when the porcelain breaks off in the spark plug tip and a self-tapping puller to remove the seized metal tip.

SER **65700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



ADJUSTABLE SPARK GAP TESTER

Adjustable gap allows for different spark gap requirements of different ignition systems from 0 – 40,000 volts. Gauge background makes spark easy to see for accurate measurement. Alligator clip securely fastens to ground.

SER **606**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

COIL-ON PLUG SPARK TESTER

Provides an easy way to check ignition systems with coil-on plugs. Quickest way to test for no-start conditions. An inductive test cannot be performed, because there are no plug wires. High visibility white lettering makes it easy to read the gap measurement from 0 to 40k. The round knob provides easy gap adjustment and the 12" ground wire comes with a shielded clip. The standard plug wire tip can be unscrewed so the tester can be used on small engines and some motorcycles.

SER **20700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

ELECTRONIC IGNITION SPARK TESTER

A quick way to check no-start vehicles for ignition problems. Simply disconnect the plug wire and connect it to tester. Clamp the tester to a good engine ground, crank the engine and watch for spark. Properly working electronic ignition systems will be able to jump a spark across the tester's spark gap (preset at 0.250 inches). *BK* **700-2456** is recommended for checking spark on DIS or EDIS applications. A good DIS or EDIS will fire two testers at once. Using two allows for checking individual coil packs (*BK* **700-2456**) may not work on point-type ignitions because they may not generate enough spark to jump the wide gap).

BK **700-2456**

EVERCRAFT

INLINE IGNITION SPARK TESTER

Quick and easy test helps check the condition of the ignition system at each cylinder. With the engine running, the tool flashes a mirror image of ignition spark. The tester easily connects between the spark plug & spark plug wire. Troubleshoot dirty spark plug connections, defective points, bad cables or connections, and more

BK **776-0017**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

CARBURETOR ADJUSTING TOOL

Used to adjust idle jets on carburetors, the 1½" flex shaft reaches deep into confined areas. Two-way tip storage—inside handle or rubber boot. Includes four quick-change adapter tips for multiple applications.

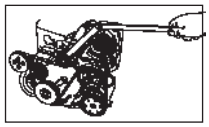
BK **776-9072**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SERPENTINE BELT TOOL

Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulley. Just push or pull to release tension. Exclusive Crow's Foot wrenches provide maximum coverage and access.



Item No.	Description	Fits
SER **3414**	Contains (1 of each): *SER* **3414-80**, *SER* **3414-81**, *SER* **3414-82***, *SER* **3414-83***, *SER* **3414-84***, *SER* **3414-85***, *SER* **3414-86*** and *SER* **3414-87***	
Replacement Parts		
SER **3414-80**	Long-Handle Wrench	Ford 1.9 and 2.3 L, GM 3.1 L
SER **3414-81**	Short Bar	Chrysler 2.5 & 3.0 L, Ford 4.6 L
SER **3414-82***	15mm 12-Point Socket	Ford 3.0 and 3.8 L, Chrysler 3.0, 3.3
SER **3414-83***	16mm 12-Point Socket	Ford 3.8 and 4.0 L
SER **3414-84***	18mm 12-Point Socket	GM3800
SER **3414-85***	13mm Crow's Foot	GM Quad Four Engine
SER **3414-86***	14mm Crow's Foot	Saturn Engine
SER **3414-87***	15mm Crow's Foot	Ford Windstar with 3.8 L Engine

*** ⅜" *Drive Socket***

WARNING: Always wear eye and face protection.

GEARWRENCH

15 PC. SERPENTINE BELT TOOL KIT WITH LOCKING FLEX-HEAD RATCHETING WRENCH

Patented tool combines the innovation of a GearWrench® Ratcheting Wrench with the requirements of the serpentine belt removal tool to provide the professional with the best possible combination

APX **89000**

EVERCRAFT

SERPENTINE BELT TOOL

Simply push or pull to release tension on serpentine belts with spring-loaded, self-adjusting idler pulleys. Fits idler pulleys requiring 15, 16 and 18mm, or 3/8" square drives. Also includes 13, 14 and 15mm crow's foot wrenches. Length: 23".

BK **776-9078**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

STRETCH FIT BELT TOOL KIT

Use for all stretch fit belt applications.

- Universal installation and removal of stretch fit belts
- Easily installs all stretch fit belts
- Allows removal and reuse of stretch fit belts

SER **70990**

Contents

Qty.	Description
1	Installation Tool,
1	Removal Tool,
1	Storage Tray,

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

CARLYLE TOOLS by NAPA

STRETCH BELT REMOVER/INSTALLER

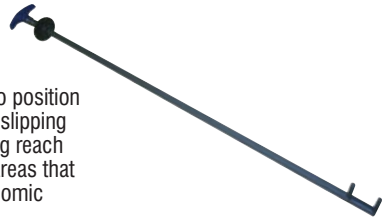
Combination removal and installation tool for most stretch belt applications found on many accessory drive systems. Unique magnetic faces hold the tool in place on the pulley and helps prevent damage to belt or pulley.

- Can be used on the front or back side of the pulley
- Steel

SER **59370**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA



BELT HOOK TOOL

Clamping jaw allows user to position serpentine belt without belt slipping out of tool. Tru-grip and long reach allows belt routing in tight areas that are normally difficult. Ergonomic handle provides comfort.

SER **734**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

EVERCRAFT

BELT HOOK TOOL

Long reach aids in the removal and installation of serpentine belts, V-belts and timing belts. Hook allows pushing, pulling and twisting into place. 25 1/2" long.

BK **776-9166**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

22 PC. ADP/OWC ALTERNATOR PULLEY KIT

This 22-piece kit eliminates the need to shop around for the hard to find OWC and OAD tools and reduces service bay downtime that can take a toll on profits. Holds the shaft coming from the alternator to the pulley stationary and allows the pulley to be either spun off or spun on depending on the need. Covers most applications, Audi, Buick, BMW, Cadillac, Chevy, Citroen, Dodge, Fiat, Ford, Honda, Lexus, Mercury, Mercedes-Benz, Pontiac, Saturn, Scion, Toyota, VW. Blow-molded case included.

SER **750**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

13 PC. ADP/OWC ALTERNATOR PULLEY KIT

This 13-piece alternator pulley service set is designed to remove or install ADP or OAC alternator pulleys and allows the technician to handle most applications that would be found in the USA. Blow-molded case included.

SER **753**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 PC. ALTERNATOR PULLEY SERVICE SET

This 5-piece alternator pulley service set is designed to remove or install alternator pulleys for both OWC (one way clutch) and OAD (overrunning alternator decoupler) pulleys. These pulleys are found on most popular North American vehicles.

Contents

- 17mm Hex Pulley Connector
- 33T Spline Pulley Socket
- T50 Shaft Extender
- 10mm Female Hex Extender
- 10mm Triple Square Extender Bit

SER **756**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

POWER STEERING PUMP PULLEY KIT

Removes and installs power steering pump pulleys on many vehicles. Fits pulley hubs with diameters of 1 1/8", 1 1/4", 15/16" and 1 3/8"

SER **41561**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

POWER STEERING PUMP PULLEY SERVICE KIT

Removes and installs power steering pump pulleys on most domestic vehicles. Fits pulley hubs with diameters of 1 1/8", 1 1/4", 15/16" and 1 3/8". Includes the necessary adapters for servicing: GM 3.1 L, 3100, 3400, and 3800 V6 engines, GM 2.3 L Quad 4 four- cylinder engines and Ford 4.6 L, 5.4 L, and 5.8 L modular V8 engines. Also includes quick disconnect tool for GM 1/2-, 3/4- and 1 Ton Pickups.

SER **41560**

Contents

Item No.	Description
SER **3893**	Disconnect Tools
SER **41561**	Bushing and Screw Set
SER **41562**	Bushing and Screw Set

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

The holding ring holds the harmonic balancer when tightening or loosening the crankshaft bolt, or removing the balancer.

3 PC. HARMONIC BALANCER REMOVAL/INSTALLATION KIT

Removes or installs harmonic balancer on most popular Chrysler, Hyundai and Mazda vehicles, without removing the radiator.

Contents

Item No.	Description
—	Replacement Puller Body
—	Replacement Pin Set
—	Replacement Holding Ring

SER **41750**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HARMONIC BALANCER INSTALLER

Installs drive pulleys on harmonic balancers. Includes complete range of adapters and comes with a thrust bearing for ease of use.

SER **3679**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LONG REACH HARMONIC BALANCER INSTALLER

Extra long reach tool kit for the installation of under drive or oversized pulleys and applications with recessed threads on the crankshaft. Traditional type balancer pulley installers will not work in many of these applications. This convenient kit features four high quality, long-reach threaded adapters and a universal nut that enables technicians to install these pulleys with ease. Ford, GM, Dodge, Chrysler: GM M16 x 2", M12 x 1.75", Ford M12 x 1.5", Mopar / GM M14 x 1.5" Contents: (4) adapters, (1) nut and case.

SER **38700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

HARMONIC DAMPER PULLEY PULLER

Designed for use with Model GM 2000 Generation II Cadillac (1988 - newer), Chevrolet Trucks (2003 - newer), Chrysler (1990), Ford (1995 - newer), and Mitsubishi Eclipse (1995). Designed for removing damper pulleys in tight engine compartments without removing the radiator, it includes 3-Jaw Puller, 4 lengths of Forcing Rods, and a Forcing Screw with a 3/8" square drive for ratchet use, and a 3/4" hex for wrench or socket use. Includes unique tensioned jaws for easy tool placement in tight quarters.

SER **64900**

⚠ **WARNING: This product can expose you to chemicals including DEHP, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HARMONIC BALANCER PULLER

Removes balancers, pulleys and gears with tapped holes. Easily bolts to balancer with center screw on end of crankshaft. Yoke features four slots for use on 2 or 3-hole applications. Floating swivel prevents damage to shaft end. Center Screw Sizes: 3/8"-24" UNF, 5/16"-18" UNC, 3/8"-16" UNC, 10mm x 1.5mm.

Item No.	Description
SER **2286**	Harmonic Balancer Puller
SER **2286-75**	Replacement Yoke & Screw Swivel
SER **2286-77**	Replacement Screw Assortment

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

HARMONIC BALANCER PULLER

Multi-application yolk allows for 2 or 3-bolt applications. Forged, alloy-steel construction. Full set of hub bolts included.

BK **776-9062**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

HARMONIC DAMPER PULLEY HOLDING TOOL - 50MM

Designed to assist in holding harmonic damper pulley in place on the vehicle engine. Standard 1/2" drive size.

CAUTION: Not designed for impact use.

BK **776-9183**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD LONG REACH HARMONIC BALANCER INSTALLER

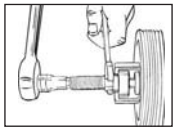
An extra long reach tool kit for the installation of underdrive or oversized pulleys and applications with recessed threads on the crankshaft.

- For various Ford models including late model Ford EcoBoost engines
- 9 in. Length

SER **38710**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



NO-SLIP PULLEY PULLER AND INSTALLER SET

SER **39000**

Completely traps the pulley for a no-slip grip. Screw-in handle adds a point for leverage. Removes and installs pressed-on power steering, alternator and air pump pulleys without slipping. The unique puller body completely houses the pulley hub to prevent slipping on even the tightest pulleys. Fits most domestic models including GM 3.1 and Quad 4 engines. Works on traditional V-shaped pulleys and serpentine belt system pulleys. Also works faster than other conventional pulley pullers. Included in set is puller body, jaw and sleeve assembly, jackscrew, button, bearing and washer, puller pin and screw installers.

Item No.	Description
SER **39000**	No-Slip Pulley Puller & Installer Set

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

UNIVERSAL FAN CLUTCH WRENCH SET

A nearly universal fan clutch wrench set for use on the most popular applications. The unique hooked wrench design will hold bolted on water pump pulleys by applying pressure against another bolt. The double-sided spanner style holding wrench will hold pressed on pulleys on many GM, Jeep and Dodge vehicles.

- Use with a hand ratchet or breaker bar to create a handle and allow extra force to be applied

SER **43600**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

INDEX

WARNING: Always wear eye and face protection.

Engine & Driveline

EVERCRAFT

FORD FAN CLUTCH WRENCH SET

Use to remove and replace the thermostatic fan assembly. Use with 1/2" drive tools and breaker bar for added torque. Check service manual for torque specifications and thread direction. Wrench openings: long 36mm, short 58mm.

Applications

4.9L E and F Series truck engines 1993-84
4.6L Ford modular engines
2.8L Engines 1987-84
2.9L to 3.0L Engines 1988 to current

BK **776-9242**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

GM FAN CLUTCH WRENCH

Designed to work on 10mm or 13mm pulley bolts. Rubber-coated handle for positive grip.

Applications

1996 and later GM trucks and vans
4.3L Astro and Safari vans, Blazer/Jimmy SUV, 2.2L and 4.3L S-10 and Sonoma Pick-up trucks.
4.3L, 5.0L C1500, C2500, C3500, K1500, C1500/Sierra, C2500 Sierra, C3500 Sierra andK1500 Sierra Trucks.
G1500, G2500 Chevy Express, G1500, G2500 Savana Vans, 5.7L Suburban, Tahoe and Yukon.

BK **776-9255**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FAN CLUTCH PULLEY HOLDER

Tool is designed to trap and hold bolt-on pulleys by the mounting bolts. Use in conjunction with fan clutch wrenches to remove and replace thermostatic fan assemblies. Easy access to fan clutch nut and includes 1/2" square drive hole for use with breaker bar for more torque.

Applications

Ford Trucks w/ 2.8L, 2.9L, 3.0L, 4.0L, 4.9L & 5.0L engines
Dodge Trucks w/ 3.9L, 5.2L, 5.9L, 8.0L and V10 engines
Jeep with 5.2L engines

BK **776-9139**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

UNIVERSAL PULLEY HOLDER WITH PINS

Holds both bolted-on and pressed-on pulleys found on many vehicles. Includes two-piece replacement bit set (*SER* **3901**) 5 x 8mm. Patented. Tool replaces *SER* **3471** Universal Pulley Holder.

SER **3900**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SPANNER FAN CLUTCH WRENCH SET

Fan clutch spanner wrench set removes and installs pressed and bolt-on water pump pulleys. The double-sided spanner style holding wrench will hold pressed on pulleys on many GM, Jeep and Dodge vehicles.

- Comes in a blow molded case for storage
- 1/2" drive size

Contains: (5) Fan Clutch Wrenches

SER **43580**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

PULLEY HOLDER PIN SET

6 x 10mm, 7.5 x 18mm Pin set for pulleys and cam sprocket holding and adjustment.

SER **3902**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PULLEY HOLDER PIN SET

5 x 8mm Pin set for use with *SER* **3900** pulley holder for Chrysler pressed on pulleys.

SER **3901**

CARLYLE TOOLS by NAPA

TIMING GEAR HOLDER KIT

- Complete kit for timing belt replacement service
- Securely holds timing gear during removal or installation
- Prevents timing gear movement while retaining bolt is removed
- Allows rotation of cam gear to align valve timing marks
- Easy use single lever design
- Slimline design for maximum access
- Universal - adjustable to fit gear diameter from 4.5" to 6.5"
- Single CamClamps lock each gear individually during timing belt replacement
- Easy to use - installs in seconds

Contents: (1) Tool, (4) Clamps, (4) Caps, (1) Storage case

SER **70907**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

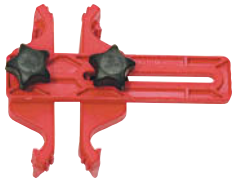
CAMSHAFT CLAMP TOOL HOLDER SET

Locking system allows infinite locking positions to suit most cam gear configurations. Compact size to allow operation in confined engine compartments. Includes clamps, bolt extensions and storage tray. Works with gear to cylinder clearances from 1/4" to 1". Bolt extensions expand coverage to 1 3/8". Holds valve timing during belt replacement. Locks each gear individually.

SER **3981**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



CAMSHAFT CLAMP TOOL

- Locking system allows infinite locking positions to fit most cam gear configurations
- Compact size - use in confined engine compartments
- Fits timing gear dia. from 4" to 6" and gear spacing up to 3"

SER **3840**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CAMSHAFT SPROCKET HOLDING TOOL

Camshaft sprocket holding tool works on Ford, GM, Chrysler/Dodge, Honda, Mazda, Mitsubishi, Nissan, Toyota, Audi, Volkswagen, Rover, Saab, Volvo and many others with sprocket holes larger than **1/2"** (12 mm) and hole separations from **3/4"** to **7 1/2"** (19 to 190mm). Use as a counter holder when loosening or tightening sprocket retainer bolts

- Detent grooves on holding pins gives user a secure hold
- Pivoting design allows fit in most cam and injection pump gear sizes

SER **708**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL

This wrench is designed with grooved pins to hold the camshaft pulley stationary while loosening and tightening the center shaft bolt. For use with many OHC engines. Very useful on many Asian import engines, especially transverse mounted V6 motors such as the Nissan VG30 in Maximas, as well as the Toyota 3VZFE and IMZFE used in Camrys. The rear pulleys on these models are in very close proximity to the shock tower making removal and replacement difficult without this locking device. Rubber coated handle for positive grip.

BK **776-9191**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

CRANK PULLEY HOLDER TOOL

Removes and installs the crankbolts on most Honda and Acura engines. Holds the harmonic damper pulley from rotating when removing the pulley bolt. Hole in center of tool allows for the use of a socket to loosen or tighten the pulley bolts. Use with 1/2" dr. ratchet or breaker bar.

BK **776-9256**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

CAMSHAFT PULLEY HOLDER

Ideal for holding camshaft, crankshaft, and power steering pulleys. Adjustable jaw opening from 1/4" to 7/8". Long handle for extra leverage.

BK **776-8051**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HONDA/ACURA CRANKSHAFT HOLDING TOOL

Properly holds crankshaft in place allowing removal of hard-to-loosen crankshaft damper bolts. Proper angle ensures easy access to damper bolts. Fits most Honda and Acura four-cylinder applications from 1990 and up. Easy to use, one-man operation speeds up repair. Works with 1/2" square drive.

SER **3970**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CRANK BOLT SOCKET SET

- Removes stubborn Crank bolts with specially designed and weighted socket to increase inertia
- Works with any vehicle with a 17 mm, 19 mm, or 21 mm Crank Bolt
- Heavy duty weighted socket makes removing difficult crank bolts a breeze

SER **980**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

POWERBAR CRANKSHAFT BOLT REMOVER

- Ideal for Honda crankshaft bolt removal
- Use where impact guns won't fit
- Generates up to 600ft-lbs. of force - exceeding most 1/2" drive impact guns
- Bi-directional force loosens or tightens bolts
- Saves repair time - no need to remove parts to access crankshaft bolt or harmonic balancer pulley
- Impact force "shocks" bolts loose
- No compressed air required

Item No.	Drive Size	Unit Length
SER **70866**	1/2"	21.65" (550mm)
SER **70867**	3/4"	22.84" (580mm)

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Engine & Driveline

CARLYLE TOOLS by NAPA

FORD, MAZDA CAMSHAFT HOLDER

- Fits Ford 2.0L, 2.3L, 2.5L Escape, Fusion, Mariner & Hybrid, Milan, MKZ, Ranger, Transit and Dura Tec engines and Mazdas
- Counter holds the crankshaft pulley while the pulley retaining bolt is loosened/tightened
- Specifically designed to fit Dura Tec crankshaft pulleys
- Fits various Volvo engine models and years

SER **38100**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SUBARU CAM SPROCKET TOOL

This special tool is designed to assist in removing multiple cam sprockets from Subaru vehicles. Allows for removal of the intake, exhaust cam and AVCS intake cam sprockets without damaging the cam or the sprocket.

- Holds cam sprockets while removing bolt in Subaru applications
- ½ in. Drive for use with breaker bar and makes for easy storage
- Applications include cam seal renewal, cylinder head removal or motor tear downs
- Steel

SER **754**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HEAVY-DUTY DIESEL HEAD BOLT ADAPTER

Designed to loosen and tighten diesel head bolts for 6.0L power stroke diesel engines.

- ¾ in. drive female, ½ in. drive male
- Allows easy access to head bolts
- Prevents removal of multiple engine components

SER **171**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD CAMSHAFT ALIGNMENT KIT

For servicing the timing belt, chains, head gaskets or other valve train repairs on Ford, Mercury and Mazda vehicles. Comes with aluminum camshaft bar, plus one short top dead center (TDC) timing pin and one long TDC timing pin. Camshaft bar and long TDC timing pin are used on 2.0L DOHC Ztech engines found in 2003-1994 Ford and Mercury vehicles. The camshaft bar and short TDC timing pin are used on 2012-2004 2.5L DOHC, 2.3L DOHC 4V and 2.0L DOHC engines. The camshaft alignment bar can also be used by itself on 2.0L DOHC engines in 1994-93 Ford Probe.

SER **37410**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DUAL OVERHEAD CAMSHAFT LOCK TOOL

Versatile tool easily locks and holds camshaft sprockets firmly in place during belt or chain replacements, while preserving engine timing. Unique design utilizes knurled pins to hold against the inside of cam sprockets. The two parallel bars float, allowing pins to align with sprockets.

SER **77-4006**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ECOTEC® GM ENGINE WATER PUMP SPROCKET HOLDER

Securely holds water pump sprockets when removing or installing pumps on Ecotec® engines. Prevents loss of timing and damage to engine. Half-moon design allows easy access to water pump gear bolts.

SER **77-4026**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

GM THERMOSTAT WRENCH

Wrench is designed to work on GM 3.1 and 3.4 Liter V6 engines. Unique shape and design allows users to remove and install housings in a fraction of the time it currently takes. Wrench is a 13mm, 12 point.

SER **751**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WATER PUMP IMPELLER SOCKET

Water pump impeller removal or installation tool. Turn tool with ½" drive ratchet or breaker bar. Angled teeth prevent tool from slipping.

SER **3707**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

1/2 IN. DR. GM WATER PUMP SOCKET

Easily removes or installs water pumps on 1993 to current Northstar 4.6 Liter and 1997 to current Aurora 4.0 Liter engines.

BK **776-9190**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

41MM WATER PUMP WRENCH FOR GM 1.6L

Water pump wrench with ⅜" square drive and short extension allows you to easily adjust and hold the water pump when replacing or adjusting the timing belt. Stubby design allows access without interference.

SER **13500**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

DURAMAX (OEM) WATER SENSOR WRENCH

Removes and installs the water sensor located on the fuel filter on 2012 and newer 6.6-liter Duramax diesel engines. Rubberized handle for secure grip. For use when replacing the fuel filter or when servicing the water sensor. The plastic sensor has a new hex design that is easily damaged by tools, like pliers, that do not specifically fit the sensor.

SER **34900**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

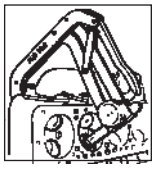
DURAMAX WATER SENSOR WRENCH

For removing, installing or servicing water sensors on 2001-Up, 6.6-liter Duramax diesel engines. Tools that are not specifically designed to fit easily damage the plastic, 12-sided sensor. Can also be used when replacing fuel filter.

SER **77-4009**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



VALVE SPRING COMPRESSOR

Compress valve springs on overhead valve and L-head engines on cars, trucks and tractors. Tool has a 9¾" throat depth and jaw openings 2¾" to 7¾" fits larger engine sizes. Jaws and plunger bar are easily adjusted. Plunger bar seats on both flat- and cup-shaped valve heads. Offset and straight jaws are included.

SER **380**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

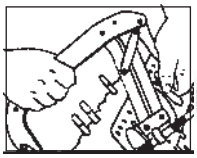
VALVE SPRING COMPRESSOR

Compressor services overhead valve engines. A handle on the outside of the tool makes it easy to use. It has a throat depth of 7½" and jaw openings 2¾" to 5⅞". Compressor works on small engine heads with manifolds removed. Offset jaws are included.

SER **383**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



VALVE SPRING COMPRESSOR

Compress valves on small overhead valve or engines. Tool has a throat depth of 6¼" and jaw openings of 3" to 5⅜". It's designed for light-weight valve springs. Compressor works on engine heads with manifolds removed.

SER **385**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

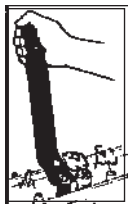
VALVE SPRING COMPRESSOR

Long and slender, will reach in to small recesses where valve springs and retaining washers are located. Arms are hinged at one end so they are practically parallel at the other end at all points. Jaws are adjustable in width and have thin edges that can be forced under and over ends of valve spring to compress for removal. Jaw opening range of 2".

SER **379**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



VALVE SPRING COMPRESSOR

Remove and replace valve springs in GM 8-cylinder engines. Heavy-duty tool replaces weak or broken valve springs and guide seals with cylinder head on the engine. Compressor is used by removing rocker and fastening tool to stud with nut. Pull on the handle to compress spring. Use with *SER* **901** or *SER* **2992** Air Hold Fittings to keep valve closed. Length: 12½".

CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crank shaft rotation will occur.

SER **912**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

GM VALVE SPRING COMPRESSOR

Removes and replaces valve springs on GM eight-cylinder engines, and other vehicles with stud-type rocker arms. Works without removing cylinder heads. Simply attach to stud with nut and pull handle to compress valve spring.

BK **776-9094**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

WARNING: Always wear eye and face protection.

Engine & Driveline

EVERCRAFT

DELUXE UNIVERSAL OVERHEAD VALVE SPRING COMPRESSOR

Includes bolt for replacing cam handle in confined areas. For on-car applications.

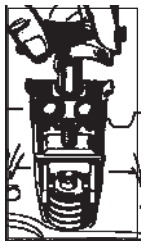
BK **776-9054**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

UNIVERSAL OVERHEAD VALVE SPRING COMPRESSOR

Remove valve springs on most cars with overhead valves without removing the cylinder head. Offset jaws grip the valve spring in parallel compression. Tool maintains constant length as spring is compressed. Use with *SER* **901** or *SER* **2992** Air Hold Fittings to keep valve in place. **CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crank shaft rotation will occur**.



SER **2078**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

UNIVERSAL OVERHEAD VALVE SPRING COMPRESSOR

Valve spring compressor allows user to remove and replace valve springs with stud-type rocker arms. Works without removing cylinder heads.

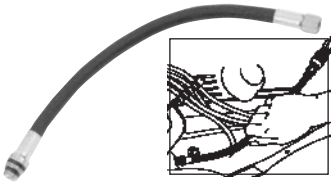
BK **776-9189**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

14 & 18MM AIR HOLD EXTENSION HOSE

A 14" long hose incorporates special 14 and 18mm stepped fitting with O-ring seals for universal fit and 1/4" NPT fitting for easy connection to air lines. Used with Valve Spring Compressors *SER* **912**, *SER* **2078**, long hose is ideal for reaching deep set spark plug holes. **CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crankshaft rotation will occur.**



SER **2992**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

2 PC. AIR HOSE EXTENSION AND FITTING SET

Service overhead valve components without removing cylinder head. Prevents valve from dropping into cylinder. Contains one 14mm and one 18mm fitting. Use with Valve Spring Compressor *BK* **776-9094** or *BK* **776-9189**.

BK **776-9249**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PUSH ROD REMOVER

Push rod remover redesigned for newer 3.5L and 3.6L GM engines. Also works on GM V6 2.8L, 3.1L and 3.4L. Quickly removes push rods so you can replace the intake gasket. No need to loosen and retighten the rocker arm. The tool pivots the rocker arm to compress the valve spring and free the push rod for removal.

SER **48300**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

PISTON RING GROOVE CLEANER

Designed for doing a re-ring job on your engine by removing carbon deposits from the ring grooves, allowing your new rings to seat perfectly onto the piston. The kit includes a special spring to control the pressure and to prevent gouging, snagging, or chattering. The tool comes with two 5-cutter wheels that fit multiple ring groove sizes. Includes the following groove cleaning sizes: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 1.5mm, 1.75mm, and 2mm. Handles pistons 2 3/4" to 5" diameter.

BK **776-9176**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

T-HANDLE TYPE VALVE TAPPET REMOVAL TOOL

Easily removes stuck hydraulic valve lifters. Specially designed slide hammer easily frees tight or stuck lifters.

BK **776-9248**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FORD/GM ROCKER ARM OIL STOPPER SET

Eliminate splashing oil. These stoppers plug rocker oil outlets on an engine when the valve covers are removed. Includes 16 stoppers for use on Ford and GM vehicles.

BK **776-9055**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

SER **501**

VALVE GRINDERS

Hand grind small and large flat-head unslotted valves. Textured handle and thin wall suction cups make grinding easy. To use, place grinding compound on valve face and put in seat. Put suction cup on valve head and turn handle between hands to grind. There are two sizes per tool.

SER **501** Smaller Valves, 5/8" and 13/16"
SER **505** Most Valves, 1 1/8" and 1 3/8"

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

BK **776-9087**

VALVE GRINDERS

For hand grinding small and large flathead, non-slotted valves. Simply place grinding compound on valve face and put in seat. Next, place suction cup on valve head and turn handle between hands to grind.

BK **776-9088** Small Valve, 5/8" x 13/16" dia.
BK **776-9087** Large Valve, 1 1/8" x 1 3/8" dia.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

GASKET CLEANING TOOLS

Use with a die grinder to quickly clean gasket surfaces on oil pans, water pumps and other inaccessible applications. Equipped with floating guide shaft.

SER **77-4001**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CRAFTSMAN

GASKET SCRAPER

- PRECISION MACHINED SCRAPING EDGE: Designed to remove gaskets and cleaning gunk and grime from flat surfaces
- COMFORT: Bi-material handle for comfortable use and better grip

CTM **CMMT98354**

CARLYLE TOOLS by NAPA

PISTON RING COMPRESSOR BANDS & SET

Install pistons from 2 7/8" to 4 5/8" in diameter. Pliers can be used parallel or perpendicular to the cylinder block. Fine-tooth ratcheting lock allows you to compress bands in small increments. Set works by placing a band around the piston, covering the rings and hooking pliers into the band and squeezing. With the band tightly around the piston, insert piston into cylinder and lightly tap with hammer handle to install. Band width: 1 1/2".

Item No.	Size	*SER* 850 Set
SER **1119**	2 7/8" to 3 1/8" (73mm to 79mm)	•
SER **1120**	3 1/8" to 3 3/8" (79mm to 85mm)	•
SER **1121**	3 3/8" to 3 5/8" (85mm to 92mm)	•
SER **1122**	3 5/8" to 3 7/8" (92mm to 98mm)	•
SER **1123**	3 7/8" to 4 1/8" (98mm to 104mm)	•
SER **1124**	4 1/8" to 4 3/8" (104mm to 111mm)	•
SER **1125**	4 3/8" to 4 5/8" (111mm to 117mm)	
SER **1114**	Piston Ring Compressor Pliers	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

HEAVY-DUTY PISTON RING COMPRESSOR

Use compressor to install pistons 2 1/8" to 5" (54 to 127mm) in diameter. Positive lock action provides positive compression and fingertip release. To compress piston ring into grooves, slip the tool over the piston and tighten with L-shaped wrench. Insert piston into cylinder and tap with a hammer to install. Enlarged crimped edge prevents compressor from entering the cylinder.

SER **2284**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

PISTON RING COMPRESSOR

Use compressor to install pistons 3 1/2" to 6 1/2" (89 to 164mm) in diameter on trucks and tractors. Positive lock action provides positive compression and fingertip release. Heavy spring steel compresses the stiffest rings evenly. Tool is beaded along lower edge to prevent compressor from entering the cylinder.

SER **1723**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INDEX

WARNING: Always wear eye and face protection.

Engine & Driveline

CARLYLE TOOLS by NAPA

PISTON RING COMPRESSOR

Use compressor to install pistons 2 1/8" to 5" (57 to 127mm) in diameter. A dependable friction-type brake holds rings in compressor. Tool is beaded along lower edge to prevent compressor from entering the cylinder.

SER **1720**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DIESEL PISTON RING COMPRESSOR

Use to install pistons 3 1/2" to 7" (89 to 177mm) in diameter on trucks and tractors. This 7" high positive lock compressor has four tension bands and compresses diesel upper and lower rings. Bands are made of spring steel and beaded along lower edge to prevent compressor from entering the cylinder.

SER **1724**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

PISTON RING COMPRESSORS

Special Spring Steel compression bands. Heat treated tension bands. Adjustable safety screws. Ratcheting tension mechanism. Spanner wrench included.

Item No.	Description
BK **776-9128**	2 1/8" to 5" dia. range
BK **776-9129**	3 1/2" to 6 1/2" dia. range
BK **776-9130**	3 1/2" to 7" dia. range

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

PISTON RING TOOL

Tapered jaws remove or install piston rings. For ring sizes: 3/64" to 1/4".

BK **776-9056**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

3-STONE PISTON CYLINDER HONE 2 IN. TO 7 IN.

Fits 2" (50.8mm) to 7" (177.8mm) cylinders. Medium Grit stones #220 x 3" (76.2mm). Flex shaft and adjustable tension

BK **776-9220** 3 Stone, 2"-7" Cylinder Hone
BK **776-9225** 3 Pc. Replacement Stone Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

3 PC. CYLINDER HONE KIT

Contents

- *BK* **776-9223** fits 3/4" (19.1mm) to 2 1/2" (63.5mm) cylinders. Medium Grit stones #220 x 1 1/8" (28.6mm). Replacement stones available *BK* **776-9224**.
- *BK* **776-9221** fits 1 1/4" (31.8mm) to 3 1/2" (88.9mm) cylinders. Medium Grit stones #220 x 2" (50.8mm). Replacement stones available *BK* **776-9222**.
- *BK* **776-9220** fits 2" (50.8mm) to 7" (177.8mm) cylinders. Medium Grit stones #220 x 4" (101.6mm). Replacement stones available *BK* **776-9225**.

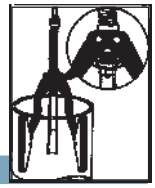
Flex shaft and adjustable tension Instructions: Compress arms to insert into cylinder. Turn knurled adjusting wheel to adjust pressure of stones against cylinder bore. Attach drill and turn in cylinder bore. Always keep stones in cylinder bore while moving up and down within bore. Continue until a smooth surface is on the cylinder bore. To remove from cylinder bore, stop rotation and compress arms to avoid scratches within bore.

BK **776-9227**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ENGINE CYLINDER HONE



Hone and remove glaze from engine cylinders from 2" to 7" (51 to 177mm) in diameter. Adjust spring tension for positive cutting action and set diameter with spread limiter. Hone includes medium grit stones No. 240. Power source: drill.

Item No.	Description
SER **2833**	Cylinder Hone
SER **2834**	Hone Stones for rough honing, coarse grit stones No. 100
SER **2835**	Hone Stones for general-purpose honing and glaze breaking, medium grit stones No. 240
SER **3157**	Hone Stones for general-purpose honing and glaze breaking. Medium grit No. 240
SER **2836**	Hone Stones for hydraulic cylinders, fine grit stones No. 400

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ECONOMY BRAKE & ENGINE CYLINDER HONE SET

Multi-purpose set includes three complete hones and one set of 2" stones.

Contents

- Complete hone for brake, master and wheel cylinders 3/4" through 2 1/2" capacity, with 1 1/8" medium-grit stones
- Complete hone for small car brake wheel cylinders 1/2" through 1 3/4" capacity, with two 1 1/8" medium-grit stones
- Complete hone for disc brake caliper honing. 1 1/4" through 3 1/2" capacity, with 3/4" medium-grit stones; also ideal for lawn and garden small-engine cylinder honing when used with three 2" medium-grit stones (included)

SER **3029** Hone Set
SER **3029-75** Three Replacement 2" Cylinder Hone Stones

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

BRM BRUSH RESEARCH MANUFACTURING MADE IN USA

FLEX-HONE® CYLINDER HONES - STANDARD DUTY

The small diameter Standard Duty Flex-Hone® works well for finishing and deburring the smaller automotive components such as cam bearing bores, crank bores, brake cylinders, connecting rods and valve guides.

- Made in USA
- Self-centering, self-aligning and self-compensating for wear
- Can be used in virtually any rotating spindle
- Commonly used for finishing, deburring and edge breaking
- Excellent on mild steel, stainless steel, cast iron and other softer ferrous materials.

Item No.	Grit	Cylinder Dia.	Size
BK **BC10M18**	180SC	0.375 – 0.394 in.	.394 in. (10mm)
BK **BC1218**	180SC	0.473 – 0.500 in.	1/2 in. (12.7mm)
BK **BC5818**	180SC	0.552 – 0.625 in.	5/8 in. (16mm)
BK **BC18M18**	180SC	0.626 – 0.709 in.	.709 in. (18mm)
BK **BC3418**	180SC	0.710 – 0.750 in.	3/4 in. (19mm)
BK **BC20M18**	180SC	0.751 – 0.787 in.	.787 in. (20mm)
BK **BC7818**	180SC	0.788 – 0.875 in.	7/8 in. (22mm)
BK **BC7824**	240SC	0.788 – 0.875 in.	7/8 in. (22mm)
BK **BC10018**	180SC	0.939 – 1.000 in.	1 in. (25.4mm)
BK **BC11818**	180SC	1.001 – 1.125 in.	1 1/8 in. (29mm)
BK **BC13818**	180SC	1.251 – 1.375 in.	1 3/8 in. (35mm)
BK **BC11418**	180SC	1.126 – 1.250 in.	1 1/4 in. (31.8mm)
BK **BC11218**	180SC	1.376 – 1.500 in.	1 1/2 in. (38mm)
BK **BC13418**	180SC	1.626 – 1.750 in.	1 3/4 in. (45mm)
BK **BC20018**	180SC	1.876 – 2.00 in.	2 in. (51mm)
BK **BC21218**	180SC	2.376 – 2.500 in.	2 1/2 in. (64mm)
BK **BC30018**	180SC	2.876 – 3.000 in.	3 in. (76mm)

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

FLEX-HONE® 10 PC. AUTOMOTIVE KIT

The Flex-Hone® Automotive Kit is ideal for a variety of automotive applications such as finishing brake calipers, lifter bores, and u-joint yokes. This kit also includes a free Flex-Hone hat and oil.

- Made in USA
- 180 Grit Silicon Carbide Abrasive
- Can be used in virtually any rotating spindle
- Self-centering, self-aligning and self-compensating for wear
- Excellent on mild steel, stainless steel, cast iron and other softer
- Flex-Hone sizes included: 10mm, 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 1 3/4" and 2"

BK **14353**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

FLEX-HONE® 7 PC. VALVE GUIDE KIT

For precision and final fitting of valves guides. Flex-Hone® tools create the ideal crosshatch finish on the ID of the valve guide bores for better oil retention and less wear on both the valve guide and the valve stem.

- Made in USA
- 240 Grit Silicon Carbide Abrasive
- Excellent on mild steel, stainless steel, cast iron and other softer
- ferrous materials
- 7 Piece Kit Includes Sizes: 6.4mm, 7mm, 8mm, 9mm, 9.5mm, 10mm, 11mm

BK **VGFK24**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

FLEX-HONE® CYLINDER HONES - HEAVY DUTY

The Heavy Duty GBD Flex-Hone creates the same great results as our Standard Duty, but with a longer abrasive part. This easy-to- use tool efficiently deglazes cylinder walls with ease and leaves a beautiful crosshatch.

- Made with Silicon Carbide Abrasive (SC)
- Longer abrasive part = less strokes and more cylinders per tool
- Can be used in virtually any rotating spindle
- Commonly used for finishing, deburring and edge breaking
- Excellent on mild steel, stainless steel, cast iron and other softer ferrous materials.

Item No.	Grit	Cylinder Dia.	Size
BK **GBD30012**	120SC	2.751 – 3.000 in.	3 in. (76mm)
BK **GBD31412**	120SC	3.001 – 3.250 in.	3 1/4 in. (83mm)
BK **GBD31212**	120SC	3.251 – 3.500 in.	3 1/2 in. (89mm)
BK **GBD40012**	120SC	3.751 – 4.000 in.	4 in. (101mm)
BK **GBD40018**	180SC	3.751 – 4.000 in.	4 in. (101mm)
BK **GBD40024**	240SC	3.751 – 4.000 in.	4 in. (101mm)
BK **GBD40032**	320SC	3.751 – 4.000 in.	4 in. (101mm)
BK **GBD41412**	120SC	4.001 – 4.250 in.	4 1/4 in. (108mm)
BK **GBD41418**	180SC	4.001 – 4.250 in.	4 1/4 in. (108mm)
BK **GBD41424**	240SC	4.001 – 4.250 in.	4 1/4 in. (108mm)
BK **GBD41432**	320SC	4.001 – 4.250 in.	4 1/4 in. (108mm)
BK **GBD41212**	120SC	4.251 – 4.500 in.	4 1/2 in. (114mm)
BK **GBD41218**	180SC	4.251 – 4.500 in.	4 1/2 in. (114mm)
BK **GBD41224**	240SC	4.251 – 4.500 in.	4 1/2 in. (114mm)
BK **GBD41232**	320SC	4.251 – 4.500 in.	4 1/2 in. (114mm)
BK **GBD50012**	120SC	4.501 – 5.000 in.	5 in. (127mm)
BK **GBD50018**	180SC	4.501 – 5.000 in.	5 in. (127mm)
BK **GBD51212**	120SC	5.001 – 5.500 in.	5 1/2 in. (140mm)
BK **GBD51218**	180SC	5.001 – 5.500 in.	5 1/2 in. (140mm)
BK **GBD60012**	120SC	5.501 – 6.000 in.	6 in. (152mm)
BK **GBD61212**	120SC	6.001 – 6.500 in.	6 1/2 in. (165mm)

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

FLEX-HONE® CYLINDER HONES - STANDARD DUTY

The Standard Duty GB Flex- Hone creates consistent plateau finishes by deglazing cylinder walls uniformly. A 45 degree crosshatch helps to seat piston rings and retains oil for lubrication.

- Made with Silicon Carbide Abrasive (SC)
- Self-centering, self-aligning and self-compensating for wear
- Can be used in virtually any rotating spindle
- Commonly used for finishing, deburring and edge breaking
- Excellent on mild steel, stainless steel, cast iron and other softer ferrous materials.

Item No.	Grit	Cylinder Dia.	Size
BK **GB31212**	120SC	3.251 – 3.500 in.	3½ in. (89mm)
BK **GB31218**	180SC	3.251 – 3.500 in.	3½ in. (89mm)
BK **GB31224**	240SC	3.251 – 3.500 in.	3½ in. (89mm)
BK **GB31232**	320SC	3.251 – 3.500 in.	3½ in. (89mm)
BK **GB33412**	120SC	3.501 – 3.750 in.	3¾ in. (95mm)
BK **GB33418**	180SC	3.501 – 3.750 in.	3¾ in. (95mm)
BK **GB33424**	240SC	3.501 – 3.750 in.	3¾ in. (95mm)
BK **GB33432**	320SC	3.501 – 3.750 in.	3¾ in. (95mm)
BK **GB41812**	120SC	3.751 – 4.125 in.	4⅛ in. (105mm)
BK **GB41818**	180SC	3.751 – 4.125 in.	4⅛ in. (105mm)
BK **GB41824**	240SC	3.751 – 4.125 in.	4⅛ in. (105mm)
BK **GB41832**	320SC	3.751 – 4.125 in.	4⅛ in. (105mm)
BK **GB45812**	120SC	4.126 – 4.625 in.	4⅝ in. (118mm)
BK **GB45818**	180SC	4.126 – 4.625 in.	4⅝ in. (118mm)

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

FLEX-HONE® 18 PC. HEAVY-DUTY KIT

This 18-Piece kit provides the ideal selection of hones for surface finishing any type or size of cylinder. Create the perfect crosshatch to aid in seating piston rings. Deglaze cylinders quickly and easily with an easy-to-operate tool. The kit includes the most popular sizes and grits to get business moving.

BK **GBGBDSTRTPK**

Contents

Sizes	120 Grit Item No.	180 Grit Item No.	240 Grit Item No.
GB 3½" (89mm)	*BK* **GB31212**	*BK* **GB31218**	*BK* **GB31224**
GB 3¾" (95mm)	*BK* **GB33412**	*BK* **GB33418**	*BK* **GB33424**
GB 4⅛" (105mm)	*BK* **GB41812**	*BK* **GB41818**	*BK* **GB41824**
GB 4" (101mm)	*BK* **GBD40012**	*BK* **GBD40018**	*BK* **GBD40024**
GB 4¼" (108mm)	*BK* **GBD41412**	*BK* **GBD41418**	*BK* **GBD41424**
GB 4½" (114mm)	*BK* **GBD41212**	*BK* **GBD41218**	*BK* **GBD41224**

Additional sizes, abrasives and grits sold individually

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

RECOMMENDATIONS FOR FLEX-HONE® GRIT SELECTION

Grit	Finish Range
120	Ra 35-50 (0.9-1.4 Micrometers)
180	Ra 30-40 (0.7-1.0 Micrometers)
240	Ra 34-32 (0.6-0.8 Micrometers)
320	Ra 18-30 (0.5-1.4 Micrometers)

Contact your ring manufacture for ideal surface finish for your rings
Additional sizes, abrasives and grits sold individually

FLEX-HONE® OIL

Specifically formulated for use with the Flex- Hone for honing all types of metals. Made in the USA. Flex-Hone oil contains a blend of honing and lapping oils, a lard oil to prevent galling of aluminum, a moisture dispersant, a nonionic surfactant wetting agent to assure complete lubrication of the surface and a special additive to help keep the metal cutting and containments in suspension.

BK **FHP** ½ pint
BK **FHQ** 1 quart

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

PROFESSIONAL ENGINE CYLINDER COMPRESSION TESTER

Professional compression testers detects worn rings, burnt valves and blown head gaskets, and allows accurate adjustment of base and advance timing reading. Works on most foreign and domestic vehicles, small engines, motorcycles, snowmobiles, and ATVs. This kit works on standard and metric scales. Compatible with most standard spark plug threads. Quick disconnect coupler separates hose from gauge for faster, easier connections to the engine. Push button side release valve allows repeated testing without disconnection. Bourdon tube movement for accurate readings, heavy duty rubber boot protects gauge. Contents: (1) gauge, (5) spark plug threads, (2) valves, (4) O-Rings.

Specifications

Gauge PSI:.....0 - 300 lbs (0 - 200 kPa)
Gauge Diameter: ..... 2½"
Fitting Adapter Size: .....10, 12, 14, 4, 18 mm

BK **700-2621**

⚠ **WARNING: Cancer and Reproductive Harm -- www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Mityvac

DIGITAL DIESEL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LCD display is easy to read from any angle, in light and dark environments. Uses standard 9 Volt DC battery for convenience and cost. Automatically shuts off after 3 minutes of non-use to conserve battery (memory is retained). Rubber boot protects the gauge from bumps and drops. Display values in PSI, Bar and kPa. Includes adapters for testing modern domestic diesel engines.

BK **700-2800**

Contents

Qty.	Description
1	Digital compression tester comprising of test gauge with rubber boot, 15" (380mm) long, high pressure hose, and female quick release coupler
1	Adapter, injector (2003-99 Dodge 24-Valve 5.9 L. Cummins/5.9 L. Cummins ISB & ISBE)
1	Injector adapter (1998-earlier Case/Cummins Series B 2.9/3.9/5.9 L)
1	Glow plug adapter (1985-78 GM 4.3/5.7 L.; 1994-earlier Navistar 6.9/7.3 L.)
1	Glow plug adapter (GM 6.2/6.5 L. V8)
1	Glow plug adapter (2003-94 Ford/Navistar 7.3 L. Power Stroke)
1	Glow plug adapter (Volkswagen 1.9 L. TDI)
1	Right angle adapter
1	Custom molded case
1	User's manual (English, French, Spanish, German)

⚠ WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Mityvac

DIGITAL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LC display is easy to read from any angle and in any light. Uses standard 9V battery for convenience and cost. Automatically shuts off after 3 minutes of non-use (memory is retained). Rubber boot protects the gauge from bumps and drops. Sealed, grease- and oil-resistant gauge face prevents contamination of electronics. Displays values in PSI, Bar and kPa.

BK **700-2801**

Contents

Qty.	Description
1	Digital compression tester comprising of test gauge with rubber boot, 10" (250mm) high-pressure hose and female quick-change coupler
1	14mm standard reach thread x 6.5" (165mm) hose adapter
1	14mm standard reach thread x 12" (305mm) hose adapter
1	14mm reach thread x 12" (305mm) hose adapter
1	18mm standard reach thread x 12" (305mm) hose adapter
1	18mm reach male thread x 14mm standard reach female thread plug adapter
1	16mm male thread x 14mm standard reach female thread plug adapter
1	10mm male thread x 14mm standard reach female thread plug adapter
1	12mm male thread x 14mm standard reach female thread plug adapter
1	Air hold adapter
1	Field service kit
1	Custom-molded case
1	User's manual (English/French/Spanish/German)

CARLYLE TOOLS by NAPA

COMPRESSION TESTER

Set includes storage case, compression gauge with protective boot, one extension, two hand-held adapters and a special air-hold valve for easy reset. Features gauge checks up to 300 PSI and flexible line with three brass adapters. Adapter Size: 10mm, 12mm, 14mm.

SER **3469**

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

MASTER DIESEL COMPRESSION TESTER

Diesel compression test kit comes with adaptors to test virtually every light duty diesel truck on the market.

- 16½" wire reinforced hydraulic hose has a quick coupler on a swivel for ease of connection
- Tester has a handy deflator for releasing air and re-testing
- Includes TU-15 gauge with easy to read red and black dial

SER **TU-15-55**

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

WARNING: Always wear eye and face protection.

Engine & Driveline

COMPRESSION TESTER

Tester checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm2). Adapters fit 14 and 18mm spark plug holes and special air-hold valve is included to reset gauge easily. Tester has 16" rubber hose and is a serviceable product.

Item No.	Description
SER **2428**	Compression Tester
SER **901**	Replacement Adapter

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIESEL COMPRESSION TESTER

Set includes compression gauge with protective boot and special air-hold valve for easy reset. Also three brass adapters and storage case. Features quick disconnect from gauge to adapters, gauge checks up to 1000 PSI, quick release coupler and flexible hose. Adapter Size: 24mm x 2, 10mm x 1.

SER **3468**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FORD POWER STROKE DIESEL COMPRESSION TEST KIT

Dedicated kit for testing the popular Ford Power Stroke engines.

- Tester adapter for 7.3L Power Stroke Ford & Navistar
- Diesel tester adapter for Ford 6.7L
- Diesel tester adapter for Ford 6.0L
- Instructions included

Contains: (1) Compression Tester, (3) Adapters

SER **35750**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIESEL ENGINE COMPRESSION TESTER

Measures cylinder pressure on diesel-equipped cars and light trucks. Records maximum pressure reached during engine test. Swivel and quick coupler connect to any of the adapters below. High-pressure hose is 16½ inches long. Gauge is scaled from 0-1,000 PSI and 0-70 Kg/Cm2.

Item No.	Description
BK **700-1511**	Compression Tester
BK **700-1442**	Adapter, Detroit Diesel (53/71/92 Series)
BK **700-1441**	Adapter, GM Diesel (6.2 L./Some 4.3/5.7 L.)

⚠ **WARNING: (*BK* 700-1511) This product may expose you to chemicals including lead which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 700-1442 & *BK* 700-1441) This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MASTERCOOL® COMBUSTION GAS LEAK TEST KIT

Mastercool combustion gas leak test kit is a fast, economical and accurate method to test for combustion gas leaks from head gaskets, cylinder heads and engine blocks.

- Works on gasoline and diesel engines
- Indicates that a leak is present when the tester fluid changes color
- Test results in the top chamber will provide an indication of a combustion leak
- Dual chamber for improved accuracy and to reduce the risk of coolant contaminating the test

NTE **78-3760**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNIVERSAL COMBUSTION LEAK TEST KIT

Locate combustion leaks without guesswork. Tests in seconds for cracked blocks, leaky gaskets or cracked/warped heads. Kit includes test tool and a 16-ounce bottle of combustion leak test fluid. For gas and diesel engines

Item No.	Description	*BK* 700-1006 Set
BK **700-9572**	Aspirator Bulb w/Valve	•
BK **700-1361**	Large Engine Adapter	•
BK **700-1366**	Leak Test Fluid, 16 oz. bottle	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Mityvac

POWER STEERING AIR BLEED ADAPTER
Aids in eliminating trapped air from GM power steering systems. Custom designed to fit late model GM vehicles. Installs in place of the power steering reservoir cap. Designed for use with Mityvac hand vacuum pump.

SER **MVA661**

Mityvac

FORD POWER STEERING ADAPTER
Aids in eliminating trapped air from Ford power steering systems. Custom designed to fit late model Ford vehicles. Installs in place of the power steering reservoir cap. Designed for use with Mityvac® hand vacuum pump.

SER **MVA662**

Mityvac

POWER STEERING AIR BLEED ADAPTER
- ¼" barbed connection for ¼" ID hoses
- Rubber, cone shaped design
- Mityvac power steering air bleed adapter. Automotive systems have a tendency to trap air in components and lines causing erratic steering, pump noise, and potential damage to critical parts
- A hand vacuum pump can be coupled to the installed adapter to exert a vacuum on the fluids surface in the reservoir. As trapped air works its way out of system, the vacuum prevents foam from forming at the surface and air from re-entering system
- Seals pump necks ranging from ⅝" up to 1⅝" (16 to 41 mm) internal diameter
- Adapter helps eliminate trapped air following repairs or fluid changes. When installed, it forms an airtight seal in the neck of the vehicles power steering pump

SER **MVA660**

CARLYLE TOOLS by NAPA

CYLINDER LEAK DOWN TESTER
Designed to measure the ability of an engine cylinder to hold compressed air using shop air pressure. Supplements compression tester and pinpoints bad valves, worn rings, cracked cylinder walls, and blown head gaskets. Furnished with rubber boots to protect gauges and includes precision regulator with combination adapters (sizes M14 and M18). Includes 26" hose assembly and 2¼" special gauge with multi-color band for measuring low, moderate and high leakage. Features scale range up to 100%. Second gauge has dual scale with ranges up to 100 PSI and up to 7 bar, allowing technician to monitor input airline pressure.

SER **CLT-2**

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

CARLYLE TOOLS by NAPA

3 PC. OIL PUMP PRIMER KIT
Oil Pump Primers protect freshly rebuilt or modified engines from premature wear caused by a dry start. Comes in a blow-molded case.

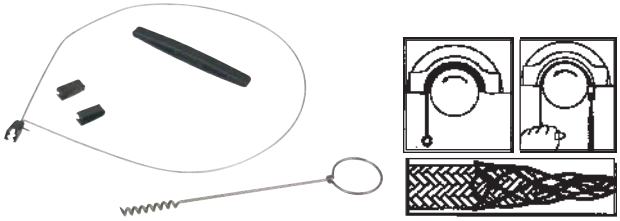
SER **41770**

Contents

Item No.	Description
—	GM Oil Pump Primer
—	Ford Oil Pump Primer ¼" Hex Dr.
—	Ford Oil Pump Primer ⅝" Hex Dr.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA



OIL-SEAL REMOVER & INSTALLER
Tool removes and installs upper rear main oil seals with engine and crank-shaft in place. It works on both wick- and neoprene-type seals. Chinese finger-type grip won't slip from the seal during installation. Set includes a wick seal remover, installer, guide funnels, pusher, offset trimmer and neoprene seal punches.

SER **492**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

UPPER REAR MAIN SEAL REMOVER/INSTALLER
Tool removes and installs the upper rear main oil seals with engine and crankshaft in place. Spring steel fingers hold seal firmly. Removal tool works like a corkscrew. Two extra clips included.

BK **776-9205**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

Engine & Driveline

OIL PRESSURE TEST KIT

- Includes (2) gauges with hose & assorted adapters
- 2½" gauge has dual scale with ranges up to 100 PSI & up to 7 bar
- 3½" gauge has dual scale dial with ranges up to 400 PSI, used for professional technician

Specifications

O/P Test Kit Gauge Measurement Increments:..... Up To 100 psi
..... Up To 400 psi
Pressure Test Kit Gauge Size: .....2½", 3½"
Fitting Adapter Material:..... Brass & Metal
Test Kit Instruction Sheet:..... Yes

SER **TU16A**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

OIL PRESSURE TEST KIT

A versatile kit for all domestic cars and light trucks, as well as most import cars and light trucks. Brass fitting adapter. Gauge: up to 300 PSI. Gauge Size: 2½". Hose Length: 6'.

SER **3343**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STEELMAN

BK **700-1861**

BK **700-1863**

BK **700-1859**

BK **700-1864**

STAINLESS STEEL PINCH-OFF TOOLS

Pinch off vacuum, fuel or pressure lines. Coated handles with three locking positions. Multiple uses.

Item No.	Description
BK **700-1861**	6¼" Curved Nose
BK **700-1859**	6¼" Straight Nose
BK **700-1864**	10⅜" Curved Nose
BK **700-1863**	10⅜" Straight Nose

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HOSE PINCH-OFF PLIERS

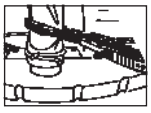
Squeeze with Ease!

Features

- Ideal for use on radiator hoses, heater hoses, water, air, vacuum and fuel lines
- Made from high carbon heat treated steel for extended life
- Hardened steel pivots for lifetime service
- Extra long cushioned hand grips for comfort and control
- Patented clamping mechanism locks automatically — no screws or levers to set or adjust
- Black oxide coated to resist rust and corrosion

Item No.	Description	Length	Weight
SER **3791**	Mini Hose Pinch-Off Pliers ¾" OD capacity	5.50"	4 oz.
SER **3792**	Hose Pinch-Off Pliers 1¼" OD capacity	9.25"	12 oz.
SER **3793**	Hose Pinch-Off Pliers 2½" OD capacity	14"	20 oz.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



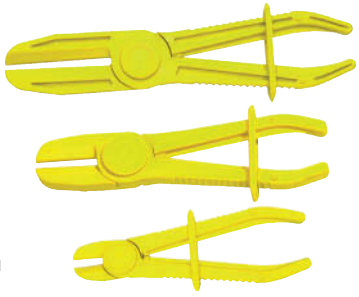
HOSE PINCH-OFF PLIERS

Pliers eliminate the need to drain cooling system when servicing. Pliers squeeze hoses shut and jaws swivel for parallel clamping. Pliers include automatic locking ratchet. Tool can be used to pinch off some emission system hoses.

Caution: Do not use on wire-reinforced hose

SER **145**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**



3 PC. LINE CLAMPS & SET

- Three sizes available
- Three piece set provides clamps for fuel, vacuum, brake and cooling systems
- Made of tough, heat-resistant reinforced nylon
- Locking mechanism on each clamp **NOTE: Set includes one each of the small, medium and large clamps.**

Item No.	Description	*SER* **3588 3 Pc. Set**
SER **3585**	Small, 1 each of line clamps for sizes ⅛" to 5/16" (2 pack)	•
SER **3586**	Medium, 1 each for pliers for sizes ½" to ¾"	•
SER **3587**	Large, 1 each for pliers for sizes ¾" to 2¼"	•

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

EVERCRAFT

HOSE PINCH PLIERS

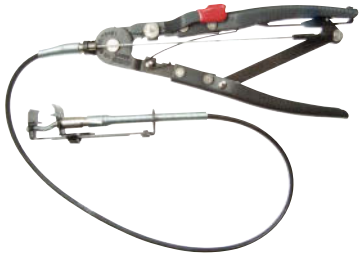
For rubber vacuum, heater, air and brake fuel lines. Non-conductive. Clamps hoses shut for service of fuel and engine components. Will not damage hoses.

BK **776-9162** 1/4" to 7/16"
BK **776-9163** 1/2" to 3/4"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE CLAMP PLIERS



Removes 1 1/16" to 2 1/2" dia plastic and metal self-tightening hose clamps. Extended reach, flexible cable and self locking clamps are perfect for hard to reach areas. Length : 33 1/2".

SER **77-3870**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CORBIN-STYLE HOSE CLAMP PLIERS

For Corbin (wire) style hose clamps. Tips trap and hold clamp and swivel for multiple angle access. Features improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3975**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE CLAMP PLIERS

For Corbin (wire) style hose clamps with flat ears. Tips trap and hold clamp and swivel for multiple angle access. Features improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

Item No.	Description
SER **3976**	Straight
SER **3977**	Angled Straight

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

UNIVERSAL HOSE CLAMP PLIERS

Hose clamp pliers feature a special tip designed to grip almost any hose clamp from any direction. The locking ratcheted jaws enable the user to keep pliers securely locked onto clamps.

- Extra-long reach
- Spicer SPL 90 and 100 series
- Steel
- 11 in. length

SER **59**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE PUSH OFF PLIERS

Allows easy removal of rubber hoses from pressed on fittings for 3/16" to 1/2" OD hoses. Ribbed surface digs into steel tube for added grip to push off rubber hose.

SER **3971**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

LARGE RUBBER HOSE CUTTERS

The large rubber hose cutters works on large rubber radiator hoses and quick clean cuts. The razor sharp blade can be re-sharpened and the handle is designed to trap and hold the hose for a straight line cut. Patent Pending.

SER **3550**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE CUTTER TOOL

Cuts industrial air, multi-purpose , heater, washer and non-metallic fuel line hoses, PVC pipes, and battery cables up to 1 1/2". Quick release to open pliers easily and ratcheting action makes cutting easier. Locking mechanism in handle.

SER **767**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE CUTTER

Cleanly cuts heater hoses, fuel lines, and many other types of flexible hoses up to 1 1/4". Glass-filled nylon with stainless steel, reversible blade for strength and durability.

SER **77-4033**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Engine & Driveline

2 PC. HOSE REMOVAL/INSTALLER SET

Two piece hose removal set includes straight tip for pushing and 150° tip for pulling.
- Rounded profile reduces gouging and puncturing of hose and mating connector
- For use on various hoses, such as radiator, heater, turbo and intake ducting

SER **854**

LARGE HOSE CLAMP VISE

Relieves clamp spring pressure in very tight spots. Leave in place with clamp compressed during service. Ramp guides clamp tab into the correct position and traps it in slot for safety. Knurled knob can be tightened by hand or with a 1/4-inch drive ratchet. Opens to: 2 1/8". Length: 3 5/8".

SER **77-4016**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SMALL HOSE CLAMP VISE

Relieves clamp spring pressure in very tight spots and works especially well on heater hose clamps. Leave in place with clamp compressed during service. Ramp guides clamp tab into the correct position and traps it in slot for safety. Knurled knob can be tightened by hand or with a 1/4" drive ratchet. Opens to: 1 1/2". Length: 3".

SER **77-4017**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SPICER® CLUTCH-ADJUSTING WRENCH

Easy-to-use, clutch-adjusting wrench solves the difficult, time-consuming job of internal adjustment on Spicer® angle-spring and multi-lever clutches. Found on nearly 50% of all heavy-duty trucks, these clutches previously had to be adjusted using a pry bar or other makeshift method, often resulting in damaged parts.

BK **700-2236**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CLUTCH ALIGNING SET

Align single disc clutches on American and imported cars, light trucks and tractors. Adapter fits through clutch plate and into pilot bushing or bearing. Tapered cone fits into clutch hole and aligns clutch plate properly. Set includes shaft and 8 two-stepped pilot bearing adapters covering 16 sizes. The plate aligning cone has 1 1/8" maximum diameter taper.

SER **2420**

Contents

Description	Sizes
Pilot Bushing Cone Taper	0.734" to 1.17" (18.64mm to 29.72mm)
Zinc Adapters for Import	0.472" and 0.500" (12mm and 12.7mm), 0.622" and 0.641" (15.8mm and 16mm), 0.688" and 0.710" (17.4mm and 18mm), 0.826" and 0.875" (21mm and 22.2mm)
Black Adapters for Domestic	0.561" and 0.590" (14.2mm and 15mm), 0.749" and 0.787" (19mm and 20mm), 0.812" and 0.874" (20.6mm and 22.2mm), 0.984" and 1.181" (25mm and 30mm)

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CLUTCH ALIGNMENT TOOL

Aligns clutch plates and pilot bearings accurately.

SAE Clutch Alignment Tool: Shaft and bushings to fit 8 pilot bearings. **SAE Adapter Sizes:** .0587", .65", .673", .748", .787", .807" and .981". Alignment cone with 1" and 1 1/8" diameter fits most clutch plates. Tapered cone for all other sizes.

Metric Clutch Alignment Tool: Shaft and bushings to fit 10 pilot bearings. **Metric Adapter Sizes:** 12, 12.6, 14, 15, 15.8, 16, 17, 18, 19 and 20mm. Alignment cone with graduated diameters fit most clutch plates. Tapered cone for all other sizes.

BK **776-9257** SAE Clutch Alignment Tool
BK **776-9258** Metric Clutch Alignment Tool

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GM TRANSMISSION SEAL TOOL

Removes and installs transmission shift selector shaft seal without draining fluid. 2-Piece tool.

BK **776-9250**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PILOT BEARING PULLERS

These very versatile pullers are built specifically for inside pulling jobs, and particularly for removing flywheel pilot bearings on automobiles, trucks, and tractors. Also very practical for pulling motor, generator, and magneto bearings.

Item No.	Reach	I.D. Spread		Weight
		Min.	Max.	
SER **3573**	3/4"	1/2"	1 1/2"	4 lbs., 14 oz.
SER **3574**	1"	7/8"	2 1/8"	4 lbs., 14 oz.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

BLIND HOLE BEARING PULLER

Built with superior quality and designed with input from industry technicians, Carlyle® Tools are affordable, high-performance and dependable, even in the harshest of work environments.

- Designed to remove pilot bearing with an internal pull
- Designed to remove bearings in a recessed application
- The collets fit a wide range of applications

SER **29**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

PILOT BEARING PULLER

Designed to pull flywheel pilot bearings in close quarters where a slide hammer cannot be used. Can be used on many models with engine in chassis. Capacity: 1/2"-1 1/2" I.D. Reach: 3/4".

BK **700-2476**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLYWHEEL TURNER

Hook this tool into flywheel teeth to rotate the crankshaft. Use when working on clutches, transmissions, installing rings or other jobs that require the crankshaft to be in a specific position. Spring tension aids tool engagement on the flywheel.

SER **2270**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GM TRANSMISSION OIL COOLER LINE DISCONNECT TOOL

Works on radiator to transmission oil cooler lines for 1987-Current Cadillac Eldorado, Seville and Concours, Buick Riviera and Reatta, and Olds Toronado; 1989-Current GM 1/2-ton, 3/4-ton, and 1-ton pick-ups. Works on FORD: EFI fuel lines with hair pin connectors.

SER **3893**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORD TRANSMISSION QUICK-DISCONNECT TOOL

Removes push-lock connectors at both the radiator and transmission connectors on 1983-current Ford, and 1982 Lincoln Continental overdrive transmissions. Slides down the transmission cooler line into the connector, and spreads plastic clip for easy removal.

BK **700-2100**

TRANSMISSION OIL COOLER LINE DISCONNECT SET

Transmission oil cooler line disconnect set for Ford and Cadillac vehicles. Simply push the line toward the connector, then engage the tool and pull line from connector. The set comes skin packed with a bean chain and the tip is specially stepped to fit connector.

- 3/8" Size for 2003 and later Ford V8 Explorer, 2004 and later Ford F-150 and Cadillac CS
- 1/8" Size for Ford Super Duty Trucks, F-250, F-350 and F-450
- 3/8" and 1/2" fuel line size

SER **39960**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

TRANSMISSION OIL COOLER LINE DISCONNECT SCISSORS

Transmission oil cooler line scissors feature a stepped design with two sizes to work on Ford and Cadillac vehicles.

- 3/8" size for 2003-2010 Ford V8 Explorer, 2004 and later Ford F150 and Cadillac CS
- 1/2" size for Ford Super Duty Trucks, F250, F350 and F450

SER **39660**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

AUTO/TRANSMISSION COOLER LINE RELEASE TOOL

Disconnects transmission to radiator cooler line quick connect fittings. Fits 1986 to current for Taurus and Mercury Sable with AOD, ATX, or AXOD transmissions.

BK **776-8048**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GM HYDRAULIC CLUTCH LINE DISCONNECT TOOL

Removes clutch lines from slave cylinders during clutch master cylinder, slave cylinder or clutch assembly service. Bent end applications: NVG3500 manual transmissions on 1966-current full-size 2WD and 4WD trucks, S-10s, and S-15 Blazers/Jimmys. Straight end applications: 1993-current Pontiac Grand Prix, Olds Cutlass Supreme, Buick Regal; 1994-93 Chevy Lumina; and 1995-current Chevrolet Monte Carlo.

BK **776-9246**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORD HYDRAULIC CLUTCH LINE DISCONNECT TOOL

2-in-1 disconnect tool for removing clutch lines from slave cylinder during clutch master cylinder, slave cylinder or clutch assembly service. Application for manual transmission: 1990-88 Ford Bronco II, 1994-91 Ford Explorer, 2004-89 Ford Ranger, 1997-89 Ford Thunderbird and Mercury Cougar.

BK **776-9142**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Engine & Driveline

CARLYLE TOOLS by NAPA

CARLYLE® QUICKFLOW DRILL PUMP TRANSMISSION KIT

Use your cordless drill to drive the QuickFlow Pump to refill sealed automatic transmissions

- Adapters included cover most vehicle makes using sealed transmissions
- hex to 3/8" drive adapter included
- Quick-connect couplers for hose and fitting inter-change
- High flow rate - 3L per minute with drill speed of 1,200 RPM
- Self-priming
- 1/4"

SER **71197**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

STEELMAN

12 PC. AXLE & CV JOINT SERVICE KIT

The Steelman PRO CV joint and axle service set contains everything needed to service drive shafts on most vehicles. The chrome moly forged sockets, bit sockets, and punch provide an all-in-one solution for almost any CV joint and axle application.

- Chrome moly construction
- Includes blow molded case for organization and storage

Contents: 6 pt. 1/2" drive 27, 30, 32 & 36 mm impact sockets; 12 pt. 1/2" drive 32 & 36 mm impact sockets; 1/2" drive 14 & 17 mm impact hex bit sockets; 3/8" drive 8 & 10 mm impact triple square bit sockets; 12" Subaru CV punch; blow molded case

SER **78720**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3 PC. REAR AXLE BEARING PULLER KIT

Three pullers designed to make the removal of semi-floating rear axle bearings easier on most domestic cars.

Contents

Item No.	Description
—	1" x 1 7/8" Puller: Fits minimum bearing tube I.D. of 1" and maximum axle tube I.D. of 1 7/8"
—	15/16" x 2 3/8" Puller: Fits minimum bearing tube I.D. of 15/16" and maximum axle tube I.D. of 2 3/8"
—	1 3/8" x 2 7/8" Puller: Fits minimum bearing tube I.D. of 1 3/8" and maximum axle tube I.D. of 2 7/8"

SER **41710**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

3 PC. REAR AXLE BEARING PULLER SET

For removing semi-floating, rear axle bearings. Washer captures bearing firmly. Includes three pullers that fit one- through 2 7/8" bearing tube diameters.

BK **825-4011**

EVERCRAFT

1/2 IN. DR. LOCK NUT SOCKETS

Rounded hex locknut socket is designed to remove and install axle nuts on specific vehicles.

Item No.	Description
BK **776-0013**	2 3/8 In. Rounded Hex
BK **776-0014**	2 1/2 In. Rounded Hex
BK **776-0015**	55mm Standard

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

12-POINT METRIC AXLE NUT SOCKET SET

This set features eight heavy-duty metric sockets that fit axle nuts and automatic transmission tail output shafts on Toyota, Lexus, Chrysler, Dodge, Jeep, Audi, Volkswagen and BMW as well as many other makes.

- Includes socket sizes: 29mm, 30mm, 32mm, 34mm, 35mm, 36mm, 38mm and 39mm.
- Comes with a durable blow molded case.

SER **976**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CV JOINT BOOT CLAMP BANDING TOOL

For all Band-It® and Band-It Jr.® style clamps. Tool is easily disengaged from the band after the band is tightened.

SER **30950**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CV BOOT CLAMP TOOL

Allows proper installation of CV boot.
Crimps joints with center pushing feature. High-leverage design works by hand or 1/2" drive ratchet.

SER **3955**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

EVERCRAFT

CV BOOT CLAMP PLIERS

For removal of notch-type boot clamps from CV joints.

BK **776-9238**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

EAR-TYPE CV JOINT BOOT CLAMP PLIERS

Allows for proper installation of CV boot. Designed to flatten crimp joints with center pushing action. For easy installation of Perma-Quick type clamps on fuel filters, water pumps, cooling hoses and CV boot clamps.

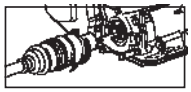
BK **776-9244**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

INNER CV JOINT PULLER

This tool will pull most CV joints that use a hidden snap ring to hold them in the transaxle. Inner CV joint puller fits slide hammer with 5/8" – 18 threads. Works on GM and some Ford vehicles. Use slide hammers *BK* **770-3804** and *BK* **776-3911**.



SER **3164**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CHEVROLET EXHAUST MANIFOLD SPREADER

Expands warped manifold so all bolt holes are accurately aligned when reinstalling on small-block Chevrolets. Helps prevent cross threading of bolts. Can also be installed before removing manifold to prevent misalignment. Works best when used in pairs.

SER **77-4030**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

OTC

EXHAUST BACK PRESSURE GAUGE

The fast, easy way to read exhaust back pressure and help determine the extent of restriction. Simply insert the oxygen sensor hole, and the large, easy-to-read gauge clearly shows pressure from 0-25 PSI. Specially-designed tip provides more accurate pressure readings, while stainless steel, braided tube withstands high-heat engine conditions. Universal engine adapter is included for vehicles with thermactor systems. For use on Chrysler, Ford and GM and imported vehicles.

BK **700-2146**

⚠ WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

DIESEL EXHAUST FLUID TESTER

Designed to test the urea concentration of diesel exhaust fluid. Professional disc-type 16 1/4" tester is accurate at all temperatures. Easy to read discs are magnified by convex design on clear plastic barrel. Includes one-piece bulb and neoprene dip tube.

SER **THX108**

⚠ WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

EXHAUST & TAILPIPE EXPANDERS

Flare, shape and expand tailpipes to ensure a tight fit and prevent exhaust leaks. Turn handle to adjust the expander to the diameter of the pipe. Place on the end of the pipe and drive with a hammer. Remove tool and readjust, but do not adjust while tool is in pipe. Repeat hammering until desired shape and size are reached.

SER **2071** 1 13/16" to 2 1/2" (46mm to 63.5mm) Pipe Size

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

TAILPIPE EXPANDERS

Shape and expand tailpipes to remove clamp grooves that ensure a tight fit and prevent exhaust leaks.

Instructions:

1. Insert tool into pipe end
2. Turn handle to adjust the expander to the diameter of the pipe.
3. Use combination wrench to remove small imperfections in pipe.
4. Use impact wrench to expand pipes
5. Imperfections are forced outward instead of forward, eliminating damage to component parts.

BK **776-9210** 1 1/2" to 2 7/16" dia.
BK **776-9211** 2 1/8" to 3 7/16" dia.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

EXHAUST PIPE CUTTER

For use cutting pipes 3/4" to 3" in diameter. Fifteen blades effectively cut pipe in 1/4-turn. Patented tool works in hard-to-reach areas. Will not cut double-wall pipes. **Not for use on stainless steel.**

SER **2031**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

EXHAUST HANGER STRETCHERS

Specially designed tool for removal of rubber exhaust system hangers on tailpipes, exhaust pipes and mufflers. Features self-locating forcing pin and cushioned slip-resistant handles at 25° offset for easy access in restricted areas.

SER **436**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Mityvac

MITYVAC COOLING SYSTEM PRESSURE TESTER ADAPTER

- The rubber, step-and-cone design features a self-docking, nested cam and internal restrictor that combine to provide a secure, airtight seal with only a single rotation of the expansion knob
- The *SER* **MV4508** Universal Cooling System Adapter is simple and quick to install in virtually any radiator or coolant reservoir neck
- Fits pressure pumps with a common radiator neck-style connection and replaces more than 20 individual adapters used to pressure test the cooling systems on cars, vans and light and heavy-duty trucks
- Unique adapter is fully self-contained (no component change is required) so there are no extra parts to maintain. Also, its compact size allows for convenient storage in a toolbox. Economical alternative to application-specific adapters

SER **MV4508**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Mityvac

RIGHT ANGLE ADAPTER

90° Barbed connector can be interchanged with the inline connector on *SER* **MVA661** and *SER* **MVA662** for applications with limited overhead.

SER **MVA665**

CARLYLE TOOLS by NAPA

6 PC. AIR CONDITIONING/FUEL LINE DISCONNECT TOOL SET

Disconnects spring-lock couplings on Chrysler and Ford air conditioning lines. Also works on Chrysler, GM and Ford fuel line quick-connect couplings. The 5/16-inch size also fits Ford radiator and transmission line push-lock connectors. Sizes: 5/16", 3/8", 1/2", 5/8", 3/4", and 7/8".

SER **77-4031**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

FORD AEROSTAR HEATER HOSE DISCONNECT TOOL SET

Quickly and easily removes heater hose from core tube without damaging coupling retainer, or hose. Includes heater hose disconnect tools for 5/8" and 3/4" hoses with quick-connect couplings at heater core. Extension handle enables easier access. For 1997-86 Ford Aerostar vans.

BK **700-1999**

EVERCRAFT

HEATER HOSE REMOVAL TOOL

Easy removal or installation of 3/4" and 5/8" heater hose fittings from heater core without damaging couplings, retainers or hoses.

BK **776-9140**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FUEL INJECTOR HEIGHT GAUGE SET

Injector height gauge set covers all applications for Series 50 and 60 Detroit Diesel engines. Includes handle along with 78.2mm, 78.8mm, 80.3mm, 81.0mm, and 82.1mm blocks.

SER **3350**

CARLYLE TOOLS by NAPA

FORD DIESEL IPR SOCKET

Used to remove and replace the injector pressure regulator (IPR) on Ford 6.0L, International and other diesel engines. This regulator is located in a very tight location. The tool is built to bottom out on the regulator hex so it does not put torque on the connector in case the regulator can be reused. Use with 3/8" square drive.

SER **68210**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

FORD 7.3L FUEL CAP TOOL

Design allows for easy removal and installation of Ford 7.3L Diesel fuel caps and other Diesel filter systems using the same configuration. Works with fuel caps from 1994 to present. Improves ability to remove and install caps where access is a problem. Patented.

SER **3526**

CARLYLE TOOLS by NAPA

FUEL FILTER CAP TOOL

Works on Ford fuel filter with 36mm and web style cartridges. Also works on all 36mm cartridge style oil filters. Drive size: 3/8".

SER **538**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

3/8 IN. FORD FUEL FILTER WRENCH

Ford Power Stroke Diesel uses two different fuel filter housing lids, both are located in the V of the engine and are covered by another housing, this fuel filter wrench allows access to both. Other Ford fuel filter wrenches sometimes break off the points of the lid because the pressure is not evenly distributed by the wrench. This tool spreads the force of the removal over six contact points instead of two, preventing breakage. Low profile Ford fuel filter wrench allows mechanics to access those tough fuel filters in tight quarters. Used for removal and installation on the Ford Power Stroke Diesel and International / Navistar Diesel engines. Designed to allow for easy removal and installation of Ford 7.3L Diesel fuel caps and other Diesel filter systems using the same configuration.

SER **25200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LTI TOOLS

GAS TANK FUEL PUMP 1/2 IN. DR. REMOVAL TOOL

Universal, adjustable tool removes plastic fuel retaining rings without damage. Can also be used to reinstall old retaining ring. For use with 1/2" drive extension and ratchet (not included).

BK **770-8001**

CARLYLE TOOLS by NAPA

FUEL TANK LOCK RING TOOL

Stout tool to remove and install plastic fuel tank lock rings from 4" - 7 1/4" without damage. Channel design on body allows the legs to adjust to fit a wide range of applications and keeps the drive centered. Works on the new smaller GM serrated rings and traditional rings. The design is compact so the tool is not left hanging over the work area with the potential for hitting other components.

SER **63000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FUEL TANK LOCKING RING TOOL

A stout tool to remove and install fuel tank lock rings without damage.

- Designed to work with ½ in. drive ratchets and breaker bars
- Universal design fits on multiple makes and models of fuel tank lock rings
- Easily removes and installs fuel tank lock rings when servicing fuel pump or fuel sending unit

SER **253**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FUEL FILTER WRENCH

All-metal wrench to remove and install bowls on chassis-mounted fuel filter assemblies. Half-moon design allows easier access to the fuel filter. Laser-cut steel provides strength to loosen even the toughest bowls. Thick padded grip for comfort.

SER **61060**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FUEL PUMP RETAINER WRENCH

For removal and securing the fuel pump retaining ring without damage. Offset, coated handle supplies a sure grip for ease of use. Works on many 1998-84 Ford vehicles with CFI and EFI fuel systems.

BK **776-9178**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DAVCO DIESEL FILTER WRENCHES

Specially designed wrenches for removing and replacing the main filter collar as well as the vent cap on aftermarket diesel fuel filter systems. Half-moon design provides easier access to the fuel filter. High strength steel prevents the wrench from flexing while loosening stubborn filter collars. Four teeth grab the vent cap securely to prevent damage.

Item No.	Description
SER **61090**	5" Wrench works on any diesel engine with fuel flow rates up to 60 gph, Class 4, 5, & 6 trucks, pickup trucks, refrigeration units and some Biodiesel applications.
SER **61110**	6" Wrench works on any diesel engines found in Caterpillar CT660, CT11, CT13, CT15, Cummins, Detroit Diesel, International, Mercedes Benz, Paccar, Daimler Trucks North America, Kenworth, Mack, Navistar, Peterbilt, Thomas Built Buses and Volvo.
SER **61130**	8" Wrench works Detroit Diesel DD13, DD15 and DD16 engines found in Paccar, Daimler Trucks North America, and Volvo.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DISCONNECT PLIERS

Pliers disconnect fuel lines and EVAP line fittings with tabs that must be depressed to disengage. The low-profile design with 85° bend allows the tool to fit between the top of the fuel tank and vehicle.

- Spring action makes tool easier to use
- Can be used on some electrical connectors
- Works great on Delphi two-tab connectors and some import vehicles
- 6 oz.

SER **37160**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

FUEL & A/C DISCONNECT PLIERS

Unique design provides extra leverage when disconnecting quick connect coupling air conditioning and fuel lines. Use with 5/16", 3/8" or 1/2" adapters from the Lisle *SER* **37000** or *SER* **39400** disconnect tool sets. The pliers' forks have different sized openings so the tool can be turned around to fit single or two step collar designed connector lines. The pliers can also be used to reconnect stubborn lines or connections that are in hard-to-reach areas.

SER **37300**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Ignition & Fuel

12 PC. FUEL & TRANSMISSION LINE DISCONNECT TOOL KIT

Disconnect tools that separate fittings on fuel, filter, transmission, air conditioning systems and fuel tank return lines on most vehicles, trucks and other heavy equipment.

SER **41500**

Contents

Item No.	Description
SER **3321**	GM and Ford Disconnect Tool: For vehicle with easily separates spring coupling fittings on fuel lines and air conditioning systems.
SER **3408**	Ford Fuel Line Coupling Tool: Provides damage-free fuel line separation on vehicles with quick-disconnect fittings: 1990- current Ford Rangers and Explorers with 4.0 L, 6 cylinder engines.
SER **3413**	Ford Hydraulic Clutch Line Disconnect Tool: Removes hydraulic clutch lines from clutch slave cylinders on some manual transmissions: 1989-current Mercury Cougars and Thunderbirds; 1988-current small trucks including Explorer, Ranger and Bronco II.
SER **3890**	Chrysler Quick Disconnect Coupler Tool
SER **3891**	Ford EFI Fuel Line with Hair Pin Connector Tool: also works on transmission oil cooler lines on: 1987-current Olds Toronado, Buick Riviera and Reatta, Cadillac Eldorado, and Seville; and 1989-current GM 1/2 -, 3/4-, and 1-ton pickups.
SER **3892**	GM Hydraulic Clutch Line Disconnect Tool: Removes clutch lines from slave cylinders during clutch master cylinder, slave cylinder or clutch assembly service. Bent end applications: NVG3500 manual transmissions on 1966-current full-size 2WD and 4WD trucks, S-10s, and S-15 Blazers/Jimmys. Straight end applications: 1993-current Pontiac Grand Prix, Olds Cutlass Supreme, Buick Regal; 1993-94 Chevy Lumina; and 1995-current Chevrolet Monte Carlo.
SER **3893**	GM Transmission Oil Cooler Line Disconnect Tool
SER **3894**	Ford Oil Cooler Line Disconnect Tool: Disconnects transmission to radiator oil cooler line quick connect fittings: 1986-current Sable and Taurus with AOD, ATX, or AXOD transmissions.
BK **776-9083**	Fuel, 1/4" (Fuel and Tank Return Line/ Pump Fittings)
BK **776-9084**	Fuel, 5/16" (Fuel and Tank Return Line/ Filter Fittings)
BK **776-9085**	Fuel and Oil, 3/8" (Fuel and Tank Return Line/Fuel Filter/ Oil Cooler Line Fittings)
BK **776-9086**	Oil Cooler, 1/2" Ford Escort/Taurus (AXOD/ATX Automatic Transmission)
SER **41513**	Rubber Bands for Fuel Disconnects

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

MASTER DISCONNECT SET

A complete set of disconnect tools for air conditioning and fuel lines that is easily stored in a handy blow-molded case.
Contents: (1) Flex Fuel Disconnect for GM, (1) AC/Fuel Line Disconnect Set, (1) Fuel Line Quick Disconnect for GM, (1) Angled AC/Fuel Line Disconnect Set, (1) Scissor Disconnect, (1) Coupler Disconnect, (1) Ford Transmission Line Disconnect.
Size: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8"

SER **39900**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

MASTER PLUS DISCONNECT SET

The most popular disconnect tools in one handy molded case. Includes fuel line quick connect and spring lock couplings, air conditioning line couplings, and transmission oil cooler connectors.

SER **39850**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

4 PC. LOW-PROFILE ROUND JIFFY-TITE® SET

Low-profile design quickly and easily disengages the line from Jiffy-Tite quick-connect fittings without removal of the clip. The teeth of the tool fit perfectly into tight tolerance of the connectors. When rotated it allows the line to be pulled without damage to the connector or retaining clip so they can be reused. Includes four sizes of disconnects. 3/8", 1/2", 5/8"-30% and 5/8"-39%. Outer finish is Brite.

SER **22990**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

JIFFY-TITE® FITTING DISCONNECT SET

For quick and easy disconnection of lines from Jiffy-Tite® quick-connect fittings, found on transmission oil cooler lines, radiators and other applications, without removing clip. They are also found on Harley-Davidson V-Rod, Freightliner, Peterbilt, Volvo and White vehicles. This set fits Jiffy-Tite® fittings on all 1996-up GM, 2004-up Chrysler/ Daimler and some 2005-up Mercedes vehicles. Contains one of the following disconnects: 3/8", 5/8" 39%, 1/2", 5/8" 30%.

SER **77-4007**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

ANGLED DISCONNECT TOOL SET

Angled disconnect tool set disconnects spring lock couplings on Ford and Chrysler aid conditioning lines. Also works on fuel lines and other quick disconnect couplings on domestic and import vehicles.
Sizes: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8"

SER **39400**

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

CARLYLE TOOLS by NAPA

5 PC. LOW-PROFILE QUICK-DISCONNECT SET

Contains five popular size air conditioning and fuel line quick disconnect tools for hard to reach areas. Flexible plastic design allows for easy application over tubing to access disconnects. Sizes include: 7/8" (22mm), 3/4" (19mm), 5/8" (16mm), 3/8" (9mm) and 7/16" (8mm).

SER **3530**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

OTC

FUEL LINE DISCONNECT TOOL SET

Works on quick connect fuel lines on GM, Ford, Chrysler & spring lock fuel line couplings on Ford PFI systems. Disconnect Tool will not damage fuel lines or fuel line connectors. Spring loaded, durable and fit line sizes: 5/16", 3/8" and 1/2".

BK **700-2098**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

OTC

FUEL LINE DISCONNECT TOOL SET

Ideal for use on Chrysler, Ford and GM quick-connect fuel lines. Will not damage connectors. Fits Line Sizes: 5/16" and 3/8".

SER **77-4027**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

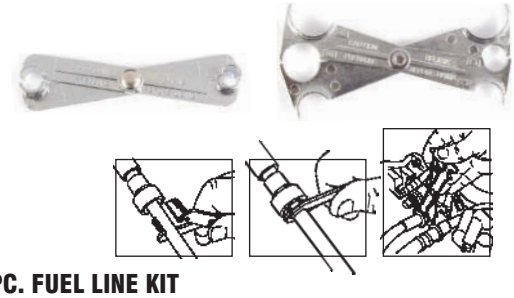
FUEL LINE QUICK-DISCONNECT TOOL

Releases the fuel line locking mechanism on Chrysler fuel-injection vehicles (except imports), 1990-up Ford, 1989-up GM and some 1990-up Mazda vehicles. Fits both 5/16" and 3/8" fuel lines.

BK **776-9081**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA



2 PC. FUEL LINE KIT

Set includes disconnect tools for use on many Ford, GM, and Mazda vehicles. Also used on Chrysler and Ford A/C Line Adapters. Tools also available individually.
CAUTION: For intended use only. Do not use with engine running. Release system pressure before disconnecting coupling.

Item No.	Description	*SER* 61059 Set
SER **3321**	Fuel Line Quick Disconnect Tool. Fits 5/16" and 3/8" fuel lines.	•
SER **3290**	Ford A/C and Fuel Line Spring Lock Coupling Tool. Necessary tool releases locking mechanism on all four sizes: A (3/4"), B (5/8"), C (1/2") and D (3/8").	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

BK **776-9083** *BK* **776-9084** *BK* **776-9085** *BK* **776-9086**

FUEL & OIL LINE DISCONNECT TOOLS

Separate the lines and fittings specified below. Anodized aluminum construction.

Item No.	Description
BK **776-9083**	Fuel, 1/4" (fuel and tank return line/pump fittings)
BK **776-9084**	Fuel, 5/16" (fuel and tank return line/filter fittings)
BK **776-9085**	Fuel and oil, 3/8" (fuel and tank return line/fuel filter/oil cooler line fittings)
BK **776-9086**	Oil cooler, 1/2" Ford Escort/Taurus (AXOD/ATX Automatic Transmission)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

FUEL LINE DISCONNECT TOOL

Hinged design and fully tapered end allow tool to be quickly and easily inserted into fuel line quick connector. Perfect in hard-to-reach areas. Size: 5/16".

SER **39210**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INDEX

WARNING: Always wear eye and face protection.

Ignition & Fuel

EVERCRAFT

FUEL LINE & A/C SPRING-LOCK COUPLING DISCONNECT TOOL

Releases fuel and A/C line spring-lock couplings on most Ford and Chrysler LH series vehicles. Fits Line Sizes: 3/8", 1/2", 5/8", 3/4".

BK **776-9082**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

LOW-PROFILE FUEL LINE DISCONNECT TOOL SET

Ideal for detaching quick-connect fuel lines in hard-to-reach areas. The 3/8" adapter can be used on 5.3-liter GM Avalanche, select Sierra/Silverado models, Suburban, Tahoe and Yukon. The 5/16" adapter can be used on Chrysler and Ford applications.

SER **77-4027**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

CHRYSLER FUELLINE DISCONNECT

Releases and installs fuel lines. Separates quick-disconnect fittings on fuel filters and fuel lines. Curve and extended length make this tool essential for hard to reach fuel line connections.

Applications: 1994 to current Chrysler LH vehicles and other Chrysler vehicles with quick disconnect fuel lines.

BK **776-9141**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FUEL LINE RETAINING CLIP WRENCH SET

Compact tool design fits tight spaces. Two sizes included designed to release the nylon retaining clip used on the fuel lines of newer GM and Chrysler vehicles with electric fuel pumps. Fits sizes 3/8" and 5/16".

SER **39160**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

33 PC. FUEL INJECTION SYSTEM TOOL KIT

Set includes fuel line pressure gauges, adapters, and other components required to work on Fuel Injection Systems. Includes storage case.

SER **3467**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FUEL INJECTION CLEANING KIT

Incorporates anodized bottle with permanent laser etching for sleeker appearance. Separate gauges allow for proper cleaning pressure to be set, reducing damage. Centrally-mounted chain and S-hook provide better balance during cleaning to leave unused fluid in bottle. Stainless steel braided Teflon hose resists solvents and abrasion for longer service life. Restores original spray pattern for improved performance and fuel mileage. Fluid capacity 20 oz. up to 100 PSI or 0-7 bar.

SER **TU470B**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OTC

FUEL INJECTOR CLEANER

A clogged fuel injector can cause sluggish engine performance, poor fuel economy and rough idle. More effective and profitable than conventional aerosol methods, the fuel injector cleaner works on most high- or low-pressure systems, on domestic and import vehicles. Includes gauge, hose and instructions. Adapters sold separately.

Item No.	Description
BK **700-2123**	Fuel Injector Cleaner
BK **700-2121**	Inject-R Cleaning Fluid

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

MITY-VAC® FUEL SYSTEM TESTING KIT

Diagnose and pinpoint common fuel system failures including failing fuel pump, faulty pressure regulator, blocked filter(s), pinched fuel line, contaminated fuel, and fuel tank vortex. Measures fuel system pressure and flow to accurately pinpoint fuel system failures. Patented system simulates extreme driving conditions in the shop to provide the most accurate diagnosis. Capable of testing both return and returnless fuel systems including electronic control. Provides clear visualization of fuel to detect impurities and air bubbles.

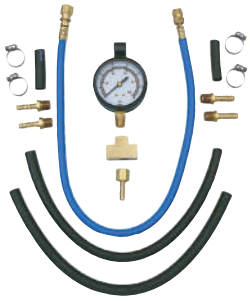
Contents

- 3.5 (90mm) High pressure gauge with rubber boot
- Push-button relief valve and hanging hook
- 4 (1.2 M) Long pressure test hoses
- Inline pressure test hose with 1/4 turn valve
- 37 Adapters for connecting to most U.S., European and Asian manufactured automobiles
- Pressure relief hose
- Custom molded case
- Operator's Manual (English, French, Spanish, German)

BK **700-3881**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FUEL INJECTION PRESSURE TESTING KIT



Adjusts fuel pump on fuel injection-equipped vehicles to factory recommended pressure. Easy to hook up and read. Kit includes everything necessary to test gasoline fuel-injection pressure on most domestic and import cars.

BK **700-1089** Fuel Injection Pressure Testing Kit

BK **700-1295** Ford Adapter

⚠ **WARNING: (*BK* 700-1089) This product may expose you to chemicals including lead which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

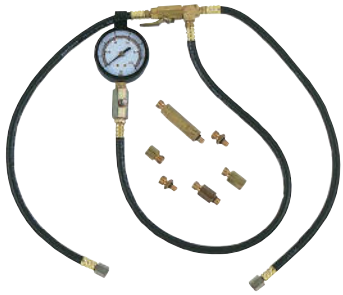
⚠ **WARNING: (*BK* 700-1295) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORD FUEL INJECTION SYSTEM TEST ADAPTER

For testing fuel-injection system pressure on Ford vehicles with the small, Shrader-type test valve, found on the fuel supply line after the regulator and filter. This valve is used for test tap purposes only and it appears on Ford vehicles equipped with throttle body injection (TBI) and multi-port fuel injection. For use w/ Fuel Injection Pressure Tester (*BK* **700-1089**)

BK **700-1295**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



CIS K-JETRONIC FUEL INJECTION TESTING KIT

This in-line pressure tester can be used on the Bosch K-Jetronic Continuous Injection System found on most late-model European/Volkswagen vehicles assembled in the U.S. Indicates problem sources, such as control pressure regulator, fuel distributor or other specific fuel-injection components that may require replacing. Tests C.I.S. non-electronic with metric threads, CIS/Lambda electronic with metric threads and C.I.S.-E electronic with metric threads (does not test other Bosch fuel-injection systems). Gauge features a 2 1/2" diameter face with dual scale 100 PSI and 7 BAR. Tester is equipped with a hanging hook. Adapters/application chart, hook-up/parts schematic drawing, and complete instructions are included.

BK **700-1438**

⚠ **WARNING: This product may expose you to chemicals including lead which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FUEL SYSTEM PRESSURE TESTING KIT

Safely tests vehicle fuel pressure systems, including fuel pump check valve, fuel rail pop-off pressure/deterioration and leaking injectors. Large, easy-to-read scale (0-100 PSI). Solid brass fittings with pressure relief valve for safe, clean testing. English/Spanish instructions included. Made in the U.S.A.

BK **700-2336**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MECHANICAL FUEL PRESSURE GAUGE

1/8" NPT brass fitting, Gauge thread size: 1/4" NPT. Gauge size: 3 1/2". Maximum pressure: 100 PSI.

BK **700-1189**

WARNING: Always wear eye and face protection.

Ignition & Fuel

CARLYLE TOOLS by NAPA

FUEL PUMP VACUUM & PRESSURE TESTER

Test for fuel line pressure and vacuum leaks and check for leaky valves, timing, fuel pump vacuum and pressure and gas line leakage. Tester is equipped with an easy-to-read gauge with a 3" hose and a vacuum hose adapter fitting. Gauge measures vacuum from 0 to 28" Hg in 1" increments (0 to 700mm Hg in 50mm increments). It also measures pressure from 0 to 15 PSI in 1/2 PSI increments (0 to 1 kg/cm2 in 0.1 kg/cm2 increments). Gauge diameter $2^{11}/_{16}$".

CAUTION: Not for use on fuel injected vehicles.

SER **2521**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OTC

FUEL SYSTEM PRESSURE TESTER

Sturdy, $3^1/_2$" gauge (0-100 PSI) provides accuracy within 1%. Built-in retard (100-150 PSI) protects gauge from over-pressure damage. Bleed valve reduces pressure when disengaging quick-disconnect fitting from check valve, preventing fuel spray. Includes six-foot line hose and 30" pressure hose with quick-disconnect fitting.

BK **700-1487**

⚠ **WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.**

OTC

CHRYSLER/GM FUEL INJECTION FITTING

Specialized fitting for domestic systems features 90° elbow for Chrysler/GM vehicles.

BK **700-1186**

OTC

FORD EFI FUEL PRESSURE ADAPTER

For 1986-Up Ford EFI vehicles with spring-lock fuel connections and no Schroeder valve. Features check valve and quick-disconnect. For use with Fuel System Pressure Tester (*BK* **700-1487**).

BK **700-1434**

OTC

GM TBI FUEL PRESSURE ADAPTER

Replaces the fuel filter during fuel system pressure checks on 1983-Up GM TBI systems. Eliminates the need to unhook fuel line from throttle body.

BK **700-2460**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

FORD EFI SCHROEDER VALVE ADAPTER

High-pressure adapter for Ford central and port electronic fuel injection systems with Schroeder valve. Features check valve and quick-disconnect fitting. For use with Fuel System Pressure Tester (*BK* **700-1487**).

BK **700-1488**

S.U.R.&R.

INTAKE CLEANING ADAPTER KIT

- Improve fuel performance by removing carbon build-up
- Nozzle end produces fine mist spraying action for thorough cleaning of the air intake
- Use with S.U.R.&R. *SER* **FIC201**, *SER* **FIC203** or *SER* **TFS203** products and canisters from other manufacturers

SER **S-TOOL**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

S.U.R.&R.

TEMPORARY AIR SUPPLY

- Connect to cleaner canister for a temporary fuel supply usable on fuel-starved vehicles
- Connects to numerous types of injection cleaning canisters using universal connector
- Adjustable valve controls pressure up to 100 PSI maximum
- Small size for ease of placement within engine compartment
- Also available as part of *SER* **TFS203** Temporary Fuel Supply/Fuel Injection Cleaner Canister
- Works with canisters from numerous manufacturers. Canister NOT included with *SER* **TAS3**

SER **TAS3**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

S.U.R.&R.

INTAKE SYSTEM CLEANER CANISTER

- Improves engine performance and decreases harmful emissions
- Cleans gum, varnish and carbon deposits from Air Intake Systems, Combustion Chambers, EGR Valves, Intake Valves and Oxygen Sensors
- Helps increase gas mileage
- Easy to use: fill with air intake cleaning solution and connect into vacuum line
- Liquid filled gauge for accurate vacuum reading and monitoring chemical flow
- More thorough cleaning than other methods

SER **FIC903**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

WARNING: Always wear eye and face protection.

FUEL LINE REPLACEMENT PARTS & KITS

Save time and money with S.U.R.& R.'s fuel line replacement kits. Make connections by hand; no specialty tool required. Nylon holds up to 200 PSI

Kit content quantities listed in chart below.

SER **KP1200**

Item No.	Description	*SER* KP1200 Kit
SER **KP020**	3/8"-3/8" Straight Push Quick Connect (reorder qty. of 2)	3
SER **KP030**	3/8"-5/16" Straight Push Quick Connect (reorder qty. of 2)	2
SER **KP035**	5/16"-3/8" Straight Push Quick Connect (reorder qty. of 2)	
SER **KP040**	5/16"-5/16" Straight Push Quick Connect (reorder qty. of 2)	3
SER **K410**	1/2"-1/2" Straight Push Quick Connect (reorder qty. of 2)	
SER **K435**	12mm-1/2" Straight Push Quick Connect (reorder qty. of 2)	
SER **KP045**	1/4"-5/16" Straight Push Quick Connect (reorder qty. of 2)	
SER **KP120**	5/16"-3/8" 90° Push Quick Connect (reorder qty. of 2)	
SER **KP125**	3/8"-3/8" 90° Push Quick Connect (reorder qty. of 2)	1
SER **KP130**	3/8"-5/16" 90° Push Quick Connect (reorder qty. of 2)	1
SER **KP135**	5/16"-5/16" 90° Push Quick Connect (reorder qty. of 2)	1
SER **K415**	1/2"-1/2" 90° Push Quick Connect (reorder qty. of 2)	
SER **K440**	12mm-1/2" 90° Push Quick Connect (reorder qty. of 2)	
SER **K003**	1/4" Nylon Tubing (25')	
SER **K00350**	1/4" Nylon Tubing (50')	
SER **K003100**	1/4" Nylon Tubing (100')	
SER **K005**	5/16" Nylon Tubing (25')	15'
SER **K00550**	5/16" Nylon Tubing (50')	
SER **K005100**	5/16" Nylon Tubing (100')	
SER **K010**	3/8" Nylon Tubing (25')	15'
SER **K01050**	3/8" Nylon Tubing (50')	
SER **K010100**	3/8" Nylon Tubing (100')	
SER **K405**	1/2" Nylon Tubing (25')	
SER **K2980**	5/16" Seal Clamp (reorder qty. of 10)	15
SER **K2982**	3/8" Seal Clamp (reorder qty. of 10)	12
SER **K2984**	1/2" Seal Clamp (reorder qty. of 10)	
SER **K6806**	9/16" Seal Clamp (reorder qty. of 10)	
SER **TH38**	3/8" Nylon Tube Holder (reorder qty. of 20)	
SER **TH516**	5/16" Nylon Tube Holder (reorder qty. of 20)	
SER **14005**	Heat Shield Sleeve (5') (reorder qty. of 1)	
SER **CP01**	Clamp Pliers (reorder qty. of 1)	1
SER **CP360**	360° Seal Clamp Pliers (reorder qty. of 1)	
SER **TC-1**	Tube Cutter (reorder qty. of 1)	1
SER **K070**	5/16" GM Line Adapter (reorder qty. of 2)	2
SER **K075**	3/8" GM Line Adapter (reorder qty. of 2)	2
SER **K095**	5/16" GM Female To Nylon Adapter (reorder qty. of 1)	1

Item No.	Description	*SER* KP1200 Kit
SER **K100**	3/8" GM Female To Nylon Adapter (reorder qty. of 1)	1
SER **K107**	14mm Foreign To Nylon Line Adapter (reorder qty. of 1)	
SER **K127**	14mm Foreign Angle Line Adapter (reorder qty. of 2)	
SER **K137**	14mm Foreign Line Adapter (reorder qty. of 2)	
SER **K140**	5/16" Nylon To Hose Connector (reorder qty. of 2)	
SER **K145**	3/8" Nylon To Hose Connector (reorder qty. of 2)	
SER **K150**	5/16" Quick Connect To Nylon Connector (reorder qty. of 2)	
SER **K155**	3/8" Quick Connect To Nylon Connector (reorder qty. of 2)	
SER **K420**	1/2" Quick Connect To Nylon Connector (reorder qty. of 2)	
SER **K445**	12mm Quick Connect to 1/2" Nylon Connector (reorder qty. of 2)	
SER **K160**	1/4" Quick Disconnect To 5/16" Nylon Connector (reorder qty. of 2)	
SER **K165**	3/8"-5/16" Nylon To Nylon Reducer (reorder qty. of 2)	
SER **K170**	5/16" GM Male To Rubber Hose Connector (reorder qty. of 2)	
SER **K175**	3/8" GM Male To Rubber Hose Connector (reorder qty. of 2)	
SER **K270**	5/16" GM Short Line Adapter (reorder qty. of 2)	
SER **K275**	3/8" GM Short Line Adapter (reorder qty. of 2)	
SER **38180**	180° GM Fuel Filter Line Adapter (reorder qty. of 2)	
SER **3890A**	3/8" 90° Elbow (reorder qty. of 2)	
SER **51690**	5/16" 90° Elbow (reorder qty. of 2)	
SER **K050**	5/16" Nylon To Steel Compression Fitting (reorder qty. of 2)	1
SER **K055**	5/16" Nylon To Nylon Compression Fitting (reorder qty. of 2)	
SER **K060**	3/8" Nylon To Steel Compression Fitting (reorder qty. of 2)	1
SER **K065**	3/8" Nylon to Nylon Compression Fitting (reorder qty. of 2)	
SER **K250**	1/4" Nylon To Steel Compression Fitting (reorder qty. of 2)	
SER **K255**	1/4" Nylon To Nylon Compression Fitting (reorder qty. of 2)	
SER **K430**	1/2" Nylon To Steel Compression Fitting (reorder qty. of 2)	
SER **K057**	5/16" Nylon To Nylon Push-On Union (reorder qty. of 2)	2
SER **K067**	3/8" Nylon To Nylon Push-On Union (reorder qty. of 2)	2
SER **K425**	1/2" Nylon To Nylon Push-On Union (reorder qty. of 2)	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

S.U.R.&R.

TEMPORARY FUEL SUPPLY/ FUEL INJECTION CLEANER

- Drive fuel-starved vehicles and perform fuel injection cleaning service outside of the shop with this convenient 2-in-1 system.
- Fuel Injection Cleaner
- Powerful cleaning of fuel injectors, intake valves and fuel passages
- Cleans more thoroughly than aerosol methods
- S.U.R.&R.-exclusive quick connectors work with virtually any vehicle
- Perform fuel injection cleaning services outside of shop
- Holds up to 18 ounces of canister petroleum bases cleaning solution
- Temporary Fuel Supply
- Provides approximately 5-15 minutes of tun time
- S.U.R.&R.-exclusive quick connectors work with virtually any vehicle, connect directly to fuel rail
- Can be used with gas or diesel
- One person can move vehicle in just a few minutes

Adapters Included (See Below).

SER **TFS203**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

FUEL INJECTION PRESSURE TESTER KITS

- Accurately diagnose fuel delivery problems
- Advanced kit tests faulty fuel pumps, pressure regulators, fuel lines, check valves and fuel filters
- Make connections quickly and easily using S.U.R.&R.-exclusive quick connect adapters with thumb release, push-button convenience
- Extra-long 9' hose included for ease of use inside vehicle cabin
- Unique gauge cover features suction cup back for attaching tester to window during drivability testing
- View aerated fuel through transparent line adapters
- Most user-friendly tester on the market

Contents: (1) Gauge Assembly, (1) Tee Fitting, (1) 12mm x 1.25 Banjo Bolt Adapter, (1) 8mm x 1.0 Banjo Bolt Adapter, (1) 6mm x 1.0 Banjo Bolt Adapter, (1) Hose Adapter, (1) Hose Clamp & Washer Assortment, (1) Hanger Hook and **Adapters included (See below).**

SER **FPT22**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

FUEL INJECTION CLEANER KIT

- Advanced fuel system cleaning technology
- Powerful cleaning of fuel injectors, intake valves and fuel passages
- Cleans more thoroughly than aerosol methods
- Easy to connect and use with shop air
- S.U.R&R.-exclusive, Universal Quick Connectors
- Holds up to 18 oz. of canister cleaning solution
- Use with gasoline and diesel fuel engines
- Transparent adapter lines allow for visual inspection of fuel

Item No.	Description
SER **FIC203**	Fuel Injection Cleaner Kit. **Adapters Included (See Below)**
SER **FIC201**	Fuel Injection Cleaner Canister (line adapters not included)

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

DELUXE FUEL PRESSURE TESTER ADAPTER KIT

- Turn your basic fuel pressure tester into a master kit
- Universal adapter set connects fuel pressure testers and injection cleaner canisters to virtually any vehicle
- 21-Piece kits fits over 90% of domestic and foreign vehicles
- 6' extension hose allows pressure gauge to be read inside vehicle during drivability testing
- Specially designed inline T-Connector makes it simple to connect and troubleshoot fuel pressure problems
- Save hundreds on adapter lines
- Most user-friendly adapter set on the market

Adapters Included (See Below).

SER **FPT290**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

Chart Key

- *SER* **TFS203** & *SER* **FIC203** included Adapters
- *SER* **FPT22** included Adapters
- *SER* **FPT290** included Adapters

HOSE/ADAPTER LIST

Item No.	Description	Kit Qty.	Kit Qty.	Kit Qty.
SER **720**	Fuel Injection Canister Line Adapter			1
SER **721**	Fuel Injection Canister Line Adapter	1	1	1
SER **722**	Fuel Injection Canister Line Adapter			1
SER **FPT05**	Shut-Off Valve Assembly		1	1
SER **FSA10**	5/16" Quick Connect Line (Female)	1	1	1
SER **FSA15**	5/16" Quick Connect Line (Male)		1	1
SER **FSA20**	3/8" Quick Connect Line (Female)		1	1
SER **FSA22**	3' Extension Hose		1	
SER **FSA25**	3/8" Quick Connect Line (Male)		1	1
SER **FSA30**	3/8" Quick Connect Line (90° Female)	1	1	1
SER **FSA32**	6' Extension Hose			1

Item No.	Description	Kit Qty.	Kit Qty.	Kit Qty.
SER **FSA35**	Schrader® Valve Line (Large and Small)	1	1	1
SER **FSA40**	3/8" GM Line (Female)		1	1
SER **FSA45**	3/8" GM Line (Male)		1	1
SER **FSA46**	3/8" GM Line (90° Male)	1	1	1
SER **FSA50**	9/16" Spring Lock Line (Female)		1	1
SER **FSA55**	9/16" Spring Lock Line (Male)	1	1	1
SER **FSA60**	14mm Line (Female)		1	1
SER **FSA65**	14mm Line (Male)	1	1	1
SER **FSA70**	12mm Banjo Line (Female)	1	1	1
SER **FSA71**	14mm Banjo Line (Female)			
SER **FSA75**	12mm Banjo Line (Male)		1	1

⚠ **WARNING: (***SER* **720**, *SER* **722**, *SER* **FPT05**, *SER* **FSA10**, *SER* **FSA15**, *SER* **FSA20**, *SER* **FSA22**, *SER* **FSA25**, *SER* **FSA30**, *SER* **FSA32**, *SER* **FSA35**, *SER* **FSA40**, *SER* **FSA45**, *SER* **FSA46**, *SER* **FSA50** , *SER* **FSA55**, *SER* **FSA60**, *SER* **FSA65**, *SER* **FSA70**, *SER* **FSA71**, *SER* **FSA75**) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ **WARNING: Always wear eye and face protection.**

S.U.R.&R.

FUEL LINE REPLACEMENT KITS

With S.U.R.&R., you have a proven and cost-effective solution for building and replacing damaged fuel lines for practically any vehicle.

- Save up to 70% vs. OEM fuel lines
- No special insertion tools required; reduces labor time
- Works with domestic and foreign vehicles
- Nylon lines hold up to 200 PSI
- Safe for use with multiple fuel types including gas, ethanol and diesel

SER **KP1500**

SER **KP1200**

SER **KP1212**

Chart Key

- *SER* **KP1500** Kit Contents
- *SER* **KP1200** Kit Contents
- *SER* **KP1212** Kit Contents

Item No.	Line Size	Description	Kit Qty.	Kit Qty.	Kit Qty.
Universal Quick-Connects					
SER **KP020**	3/8"	3/8" – 3/8" Straight Push-On (reorder qty. of 2)	2	3	
SER **KP030**	5/16"	3/8" – 5/16" Straight Push-On (reorder qty. of 2)	2	2	
SER **KP035**	3/8"	5/16" – 3/8" Straight Push-On (reorder qty. of 2)	2		
SER **KP040**	5/16"	5/16" – 5/16" Straight Push-On (reorder qty. of 2)	2	3	
SER **K410**	1/2"	1/2" – 1/2" Straight Push-On (reorder qty. of 2)			2
SER **K435**	1/2"	12mm – 1/2" Straight Push-On (reorder qty. of 2)			2
SER **KP045**	5/16"	1/4" – 5/16" Straight Push-On (reorder qty. of 2)	2		
SER **KP120**	3/8"	5/16" – 3/8" 90° Push-On (reorder qty. of 2)	2		
SER **KP125**	3/8"	3/8" – 3/8" 90° Push-On (reorder qty. of 2)	2	1	
SER **KP130**	5/16"	3/8" – 5/16" 90° Push-On (reorder qty. of 2)	2	1	
SER **KP135**	5/16"	5/16" – 5/16" 90° Push-On (reorder qty. of 2)	2	1	
SER **K415**	1/2"	1/2" – 1/2" 90° Push-On (reorder qty. of 2)			2
SER **K440**	1/2"	12mm – 1/2" 90° Push-On (reorder qty. of 2)			2
Nylon Tubing					
SER **K003**	1/4"	1/4" Nylon Tubing, 25'	25'		
SER **K00350**	1/4"	1/4" Nylon Tubing, 50'			
SER **K003100**	1/4"	1/4" Nylon Tubing, 100'			
SER **K005**	5/16"	5/16" Nylon Tubing, 25'	25'	15'	
SER **K00550**	5/16"	5/16" Nylon Tubing, 50'			
SER **K005100**	5/16"	5/16" Nylon Tubing, 100'			
SER **K010**	3/8"	3/8" Nylon Tubing, 25'	25'	15'	
SER **K01050**	3/8"	3/8" Nylon Tubing, 50'			
SER **K010100**	3/8"	3/8" Nylon Tubing, 100'			
SER **K405**	1/4"	1/2" Nylon Tubing, 25' (Use for 1/2" & 12mm repairs)			25'
Clamps & Tubing Holders					
SER **K2978**	1/4"	1/4" 360° Seal Clamp			
SER **K2980**	5/16"	5/16" 360° Seal Clamp (reorder qty. of 10)	33	15	
SER **K2982**	3/8"	3/8" 360° Seal Clamp (reorder qty. of 10)	28	12	
SER **K2984**	1/2"	1/2" 360° Seal Clamp (reorder qty. of 10)			16
SER **K6806**	9/16"	9/16" 360° Seal Clamp (reorder qty. of 10)			
SER **K6807**	11/16"	11/16" 360° Seal Clamp (reorder qty. of 10)			
SER **K6808**	23/32"	23/32" 360° Seal Clamp (reorder qty. of 10)			
SER **K6810**	3/4"	3/4" 360° Seal Clamp (reorder qty. of 10)			
SER **K6811**	7/8"	7/8" 360° Seal Clamp (reorder qty. of 10)			
SER **K6812**	15/16"	15/16" 360° Seal Clamp (reorder qty. of 20)			
SER **TH38**	3/8"	3/8" Nylon Tubing Holder	20		
SER **TH516**	5/16"	5/16" Nylon Tubing Holder wth self-tapping screws (reorder qty. of 20)	20		
Tools & Accessories					
SER **14005**	1/4", 5/16" & 3/8"	Heat Shield Sleeve, 5' (protects line up to 1200° F)	3'		
SER **CP01**	1/4", 5/16" & 3/8"	Clamp Pliers	1	1	
SER **CP360**	Up to 1" O.D.	360° Seal Clamp Pliers			1
SER **TC-1**	1/4" – 1/2"	Tubing & Hose Cutter		1	
Line Adapters					
SER **K070**	5/16"	5/16" GM (reorder qty. of 2)	2	2	
SER **K075**	3/8"	3/8" GM (reorder qty. of 2)	2	2	

Item No.	Line Size	Description	Kit Qty.	Kit Qty.	Kit Qty.
Line Adapters, Continued					
SER **K095**	5/16"	5/16" GM Female to Nylon (reorder qty. of 1)	2	1	
SER **K100**	3/8"	3/8" GM Female to Nylon (reorder qty. of 1)	2	1	
SER **K107**	5/16"	14mm Foreign Female to Nylon (reorder qty. of 1)	1		
SER **K127**	5/16"	14mm Foreign Angled (reorder qty. of 2)	1		
SER **K137**	5/16"	14mm Foreign (reorder qty. of 2)	1		
SER **K140**	5/16"	5/16" Rubber Hose to Nylon (reorder qty. of 2)	2		
SER **K145**	3/8"	3/8" Rubber Hose to Nylon (reorder qty. of 2)	2		
SER **K150**	5/16"	5/16" Quick Connect to Nylon (reorder qty. of 2)	2		
SER **K155**	3/8"	3/8" Quick Connect to Nylon (reorder qty. of 2)	2		
SER **K420**	1/2"	1/2" Quick Connect to Nylon (reorder qty. of 2)			2
SER **K445**	1/2"	12mm Quick Connect to Nylon (reorder qty. of 2)			2
SER **K153**	3/8"	3/8" Quick Connect to Quick Connect (reorder qty. of 2)			
SER **K160**	5/16"	1/4" – 5/16" Quick Connect to Nylon (reorder qty. of 2)	1		
SER **K165**	3/8" & 5/16"	3/8" – 5/16" Nylon to Nylon Reducer (reorder qty. of 2)	1		
SER **K167**	5/16" & 1/4"	5/16" – 1/4" Nylon to Nylon Reducer (reorder qty. of 2)			
SER **K170**	5/16"	5/16" GM Male to Rubber Hose (reorder qty. of 2)	1		
SER **K175**	3/8"	3/8" GM Male to Rubber Hose (reorder qty. of 2)	1		
SER **K270**	5/16"	5/16" GM Short (reorder qty. of 2)	2		
SER **K275**	3/8"	3/8" GM Short (reorder qty. of 2)	2		
SER **K305**	5/16"	9/16" – 5/16" Male Spring Lock to Nylon			
SER **K315**	5/16"	7/16" – 5/16" Male Spring Lock to Nylon			
SER **K310**	5/16"	9/16" – 5/16" Female Spring Lock to Nylon			
SER **K320**	5/16"	7/16" – 5/16" Female Spring Lock to Nylon			
SER **K325**	5/16"	12mm – 5/16" Banjo to Nylon (reorder qty. of 2)			
SER **K335**	5/16"	14mm – 5/16" Banjo to Nylon (reorder qty. of 2)			
SER **K330**	5/16"	12mm – 5/16" Banjo Bolt to Nylon			
SER **38180**	3/8"	3/8" 180° GM Fuel Filter (reorder qty. of 2)	1		
SER **3890A**	3/8"	3/8" 90° Elbow (reorder qty. of 2)	2		
SER **51690**	5/16"	5/16" 90° Elbow (reorder qty. of 2)	2		
Unions					
SER **K050**	5/16"	5/16" Nylon to Steel Compression (reorder qty. of 2)	2	1	
SER **K055**	5/16"	5/16" Nylon to Nylon Compression (reorder qty. of 2)	2		
SER **K060**	3/8"	3/8" Nylon to Steel Compression (reorder qty. of 2)	2	1	
SER **K065**	3/8"	1/8" Nylon to Nylon Compression (reorder qty. of 2)			
SER **K250**	1/4"	1/4" Nylon to Steel Compression (reorder qty. of 2)	2		
SER **K255**	1/4"	1/4" Nylon to Nylon Compression (reorder qty. of 2)	2		
SER **K430**	1/2"	1/4" Nylon to Steel Compression (reorder qty. of 2)			2
SER **K057**	5/16"	5/16" Nylon to Nylon Push-On (reorder qty. of 2)	2	2	
SER **K067**	3/8"	3/8" Nylon to Nylon Push-On (reorder qty. of 2)	2	2	
SER **K425**	1/2"	1/2" Nylon to Nylon Push-On (reorder qty. of 2)			2

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

WARNING: Always wear eye and face protection.

FUEL PRESSURE CHECK VALVES

- The quick, inexpensive and smart solution for hard-start problems involving the loss of fuel pressure
- Install inline
- Repair without dropping the tank

Item No.	Line Size	Description
SER **CKV5**	5/16"	Check Valve
SER **CKV7**	3/8"	Check Valve
SER **CKV-DISP**	5/16" & 3/8"	Check Valve Countertop Display – Includes *SER* **CKV7** (4) and *SER* **CKV5** (2)

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

INLINE SCHRADER® VALVES

- Provides easy access for connecting fuel system testing and cleaning equipment
- Fits virtually any vehicle
- Provides a permanent valve location that is easy to access
- Includes installation fittings for nylon, steel and rubber fuel lines

Item No.	Line Size
SER **SV516**	5/16"
SER **SV38**	3/8"

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

DELUXE TRANSMISSION OIL COOLER LINE REPAIR KIT

- Replace or repair transmission/oil cooler lines for virtually any vehicle within minutes
- Use to replace or make repairs on both 5/16" and 3/8" lines
- Immediate part availability, easier to install than OE lines
- Hundreds of domestic and foreign applications
- Perfect for damaged lines including rust, cracks, pinholes and more
- Triple-walled rubber hose safe and durable; pressure rated up to 250 PSI/temperatures up to 350°
- Kit includes: 79 pieces plus 15' hose. Use with 5/16" and 3/8" lines.

Item No.	Line Size	Description	*SER* **TR555** Kit Qty.
Rubber Hose			
SER **TR516H**	5/16" 3/8"	5/16" Transmission Rubber Hose, Universal, 25' (Use for both 5/16" & 3/8" repairs)	15'
Line Connectors			
SER **TR750**	3/8"	Dodge/Jeep Transmission Line (reorder qty. of 1)	1
SER **TR755**	3/8"	Ford Transmission Line (reorder qty. of 1)	1
SER **TR760**	3/8"	GM Transmission Line (reorder qty. of 1)	1
SER **TR765**	3/8"	GM Transmission Line (reorder qty. of 1)	1
SER **TR770**	3/8"	GM Transmission Line (reorder qty. of 1)	1
Line Nuts – Use with *SER* TR985 & *SER* TR990			
SER **TR605**	3/8"	3/8" Inverted Flare Nut 5/8" – 18 (reorder qty. of 4)	4
SER **TR610**	3/8"	3/8" Bubble Flare Nut M16 x 1.5 (reorder qty. of 4)	4
SER **TR615**	3/8"	3/8" Bubble Flare Nut M18 x 1.5 (reorder qty. of 4)	4
SER **TR620**	3/8"	3/8" Inverted Flare Nut 5/8" – 18 w/dog ear (reorder qty. of 2)	2
Universal Quick Connect			
SER **TR720**	3/8"	3/8" Straight Push Quick Connect to Rubber (reorder qty. of 2)	1
Line Adapters			
SER **TR405**	5/16"	5/16" Steel Compression to 5/16" Rubber (reorder qty. of 2)	1
SER **TR410**	3/8"	3/8" Steel Compression to 5/16" Rubber (reorder qty. of 2)	1
SER **TR935**	5/16"	5/16" Inverted Flare with 5/8" – 18 Nut to Rubber (reorder qty. of 2)	2
SER **TR940**	5/16"	5/16" GM O-Ring with 1/2" – 20 Nut to Rubber (reorder qty. of 2)	2

Item No.	Line Size	Description	*SER* **TR555** Kit Qty.
Line Adapters, Continued			
SER **TR945**	5/16"	5/16" Inverted Flare with 1/2" – 20 Nut to Rubber (reorder qty. of 2)	2
SER **TR950**	5/16"	5/16" Rubber to Rubber Connector (reorder qty. of 2)	1
SER **TR955**	5/16"	5/16" Quick Connect to Rubber (reorder qty. of 2)	1
SER **TR960**	3/8"	3/8" to 5/16" Rubber to Rubber Connector (reorder qty. of 2)	1
SER **TR965**	3/8"	3/8" Quick Connect to Rubber (reorder qty. of 2)	1
SER **TR970**	3/8"	3/8" GM 45° Male to Rubber (reorder qty. of 2)	1
SER **TR975**	3/8"	3/8" GM 90° Male to Rubber (reorder qty. of 2)	1
SER **TR980**	3/8"	3/8" GM Straight Male to Rubber (reorder qty. of 2)	2
SER **TR985**	3/8"	3/8" Inverted Flare to Rubber, use with *SER* **TR605**, *SER* **TR610**, *SER* **TR615** & *SER* **TR620** (reorder qty. of 2)	2
SER **TR990**	3/8"	3/8" GM O-Ring to Rubber, use with *SER* **TR605**, *SER* **TR610**, *SER* **TR615**, *SER* **TR620** (reorder qty. of 2)	2
Tools & Accessories			
SER **CL12**	1/2"	1/2" Hanger Clamp, includes screw, use with *SER* **TR516H** 5/16" Rubber Hose (reorder qty. of 10)	10
SER **CP360**	Up to 1" O.D.	360° Seal Clamp Pliers (reorder qty. of 1)	1
SER **TC35**	Up to 1 1/2" O.D.	Tube and Hose Cutter (reorder qty. of 1)	1
SER **K6806**	9/16"	9/16" Seal Clamp, use with *SER* **TR516H** 5/16" Rubber Hose (reorder qty. of 10)	21
SER **TR775**	3/8"	Transmission Connector Clip (reorder qty. of 5)	5

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

WARNING: Always wear eye and face protection.

POWER STEERING HOSE REPAIR HOSES & KITS

Power Steering Hose Replacement Kit

- 85% Coverage (domestic & foreign)
- Working pressure 1,500 PSI, Burst pressure 6,000 PSI
- Temperature range (-40° F to +250° F, -40° C to +121° C)
- Exceeds SAE J188 Type 1 Specifications

SER **PS2000**

Power Steering Hose Repair Kit

- 95% Coverage (domestic & foreign)
- Great alternative to replacing entire line

SER **PS1000**

Chart Key
- *SER* **PS2000** Kit Contents
- *SER* **PS1000** Kit Contents

Item No.	Size/Description	Kit Qty.	Kit Qty.
Power Steering Replacement Fittings			
SER **PS2105**	5/16" Male Tube Nut M14 x 1.5	2	
SER **PS2120**	5/16" Male Tube Nut 1/2" x 20	2	
SER **PS2125**	3/8" Male Tube Nut 5/8" x 18	2	
SER **PS2110**	3/8" Male Tube Nut M16 x 1.5	2	
SER **PS2115**	3/8" Male Tube Nut M18 x 1.5	2	
SER **PS2205**	5/16" Female Tube Nut 1/2" x 20	4	
SER **PS2210**	3/8" Female Tube Nut 9/16" x 18	4	
SER **PS2215**	3/8" Female Tube Nut 5/8" x 18	2	
SER **PS2220**	3/8" Female Tube Nut M16 x 1.5	2	
SER **PS2305**	M14 Banjo 1/2" x 20 Thread	1	
SER **PS2310**	M14 Banjo 1/2" x 20L Thread	1	
SER **PS2315**	M16 Banjo 9/16" x 18L Thread	1	
SER **PS2405**	1/2" x 20 – 1/2" x 20 Bump Tube Adapter	1	
SER **PS2410**	M16 x 1.5 – 9/16" x 18 Bump Tube Adapter	1	
SER **PS2415**	M18 x 1.5 – 9/16" x 18 Bump Tube Adapter	1	
Power Steering Hose			
SER **PS16**	3/8" x 6"	1	1
SER **PS112**	3/8" x 12"	1	1
SER **PS118**	3/8" x 18"	1	1
SER **PS124**	3/8" x 24"	1	1
SER **PS130**	3/8" x 30"	1	1
UltraBEND® Tubing			
SER **BR-EZ300**	5/16", 25'	10'	
SER **BR-EZ400**	3/8", 25'	10'	
Power Steering Hose Ferrules			
SER **PS810**	5/16" Compression Union Ferrule	2	2

Lines include 3/8" ferrules which can be replaced with interchangeable 5/16" fer-rules. 5/16" ferrules not included with lines, must be purchased separately.

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

EGR PORT CLEANING KIT

- The most convenient kit available for cleaning out clogged EGR ports
- Flexible, spring steel drill bit designed to easily route through EGR ports
- No need to remove entire intake manifold
- Bits available in 9", 12" and 21" lengths
- More effective than other methods including use of speedometer cables and coat hangers
- Solves emission problems like high MOx levels and improves engine performance
- Also available in 1/4" for diesel applications
- Kit includes: 12" flexible EGR drill bit, two-sided steel pick, steel wire brush, transparent storage tube, *SER* **EGR12** 3/16" flexible EGR drill bit – 12".

SER **EGR312**

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

THREAD GAUGE KIT

- Thread gauges for measuring male or female threads
- Pre-hardened 4140 steel construction
- 16 thread sizes, metric and imperial
- Male and female threads
- Great companion to *SER* **BR-EZ14** and *SER* **BR-EZ316**
- Great for use by parts retailers and repair professionals
- Use on or off vehicle

Contents

Item No.	Description	Qty.
SER **TG91M**	M9 x 1	1
SER **TG101M**	M10 x 1	1
SER **TG121M**	M12 x 1	1
SER **TG10125M**	M10 x 1.25	1
SER **TG11125M**	M11 x 1.25	1
SER **TG3820**	3/8" – 20 BSF	1
SER **TG3820**	M10 x 1.5	1
SER **TG1215M**	M12 x 1.5	1
SER **TG12125M**	M12 x 1.25	1
SER **TG1415M**	M14 x 1.5	1
SER **TG3824**	3/8" – 24 UNF	1
SER **TG71620**	7/16" – 20 UNF	1
SER **TG91618**	9/16" – 18 UNF	1
SER **TG91620**	9/16" – 20 UNF	1
SER **TG1220**	1/2" - 20	1
SER **TG71624**	7/16" – 24 UNF	1

Item No.	Description
SER **TG16**	Thread Gauge Kit

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

WARNING: Always wear eye and face protection.

HEAVY-DUTY COPPER WASHER ASSORTMENT KIT

- The only way to seal high pressure hydraulic braking systems
- Heavy-duty washers for maximum sealing power
- Make durable, tight connections to banjo bolts
- Reduced outer dimension for less interference
- Annealed washers crush properly, make secure seals

Contents

Item No.	Description	Kit Qty.
SER **BRC127**	3/8" I.D. Copper Washer (reorder qty. of 10)	20
SER **BRC137**	7/16" I.D. Copper Washer (reorder qty. of 10)	20
SER **BRC147**	1/2" I.D. Copper Washer (reorder qty. of 10)	20
SER **BRC157**	9/16" I.D. Copper Washer (reorder qty. of 10)	10
SER **BRC227**	10mm I.D. Copper Washer (reorder qty. of 10)	20
SER **BRC247**	12mm I.D. Copper Washer (reorder qty. of 10)	20
SER **BRC277**	15mm I.D. Copper Washer (reorder qty. of 10)	10
SER **BRC287**	16mm I.D. Copper Washer (reorder qty. of 10)	10

Item No.	Description
SER **BRC7**	Copper Washer Assortment Kit

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

POSITIVE SEAL HOSE CLAMP KIT

- Superior 360° sealing for high-to-low pressure applications including: Fuel, A/C, Transmission and Coolant Lines
- Includes 100 positive seal clamps with permanent, no leak seal
- Features durable CP360 Seal Clamp Pliers with protective grip handle
- Consistent, uniform seals prevent damage to hose

Contents

Item No.	Description	Kit Qty.
SER **K2978**	1/4" 360° Seal Clamp (reorder qty. of 10)	10
SER **K2980**	5/16" 360° Seal Clamp (reorder qty. of 10)	10
SER **K2982**	3/8" 360° Seal Clamp (reorder qty. of 10)	10
SER **K2984**	1/2" 360° Seal Clamp (reorder qty. of 10)	10
SER **K6806**	9/16" 360° Seal Clamp (reorder qty. of 10)	10
SER **K6807**	11/16" 360° Seal Clamp (reorder qty. of 10)	10
SER **K6808**	23/32" 360° Seal Clamp (reorder qty. of 10)	10
SER **K6810**	3/4" 360° Seal Clamp (reorder qty. of 10)	10
SER **K6811**	7/8" 360° Seal Clamp (reorder qty. of 10)	10
SER **K6812**	15/16" 360° Seal Clamp (reorder qty. of 10)	10
SER **CP360**	360° Seal Clamp Pliers (reorder qty. of 1)	1

Item No.	Description
SER **HC102**	Hose Clamp Kit

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

HEAVY-DUTY RATCHETING SEAL CLAMP PLIERS

- Make secure connections in seconds
- Use with 1/4" to 5" clamp sizes
- Ratcheting action provides maximum leverage for making secure high-pressure connections
- Numerous applications including fuel lines, A/C lines, transmission lines and axle boots
- More effective than conventional clamp pliers

SER **CP90**

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

360° SEAL CLAMP PLIERS

- Durable pliers designed for use with primary seal clamp applications including fuel, A/C and coolant lines
- Use with 1/4" to 1" clamp sizes
- Makes consistent, uniform seals which prevent damage to hose
- Durable construction including protective handle grip

SER **CP360**

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

TUBING AND HOSE CUTTER

- Excellent for use in shop or home
- Cuts up to 1 1/4" O.D.
- Razor-sharp blade
- Includes two-sided blade ideal for applications involving extended use

Item No.	Description
SER **TC35**	Tubing and Hose Cutter
SER **TC35B**	Replacement Blade

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

TUBING & HOSE CUTTER

- Cuts up to 1/2" O.D.
- Perfect for cutting nylon tubing without collapsing walls
- Compact design great for carrying in pocket and working within tight spaces

SER **TC-1**

⚠ WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov

ULTRATOUGH TAPE

- For repairing leaky hoses, tubing, wiring harnesses and connections
- Quick fix underhood repairs
- Airtight, no adhesive, waterproof seal
- Stretches 300% - insulates 8,000 V
- -65° F to 500° F / -56° C to 260° C
- Tear resistant up to 85 PSI
- Resists UV, salt, oil and chemicals
- 10' (3.05 m) roll

SER **UT15**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

WARNING: Always wear eye and face protection.

S.U.R.&R.

CLAMP PLIERS

These clamp pliers are ideal for crimping the 360° seal clamps related to fuel line repair fittings.

- Spring loaded, opens itself
- The small design allows you to reach tight spots
- Leaves a nice uniform crimp for maximum seal
- Up to 3/8 in.
- 4 3/4 in. tool length

SER **CP01**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

STEELMAN

STEELMAN PRO BLUETOOTH CHASSIS EAR NVH

The Steelman PRO Bluetooth CHASSIS EAR NVH is a noise, vibration, and harshness detection tool that uses Bluetooth wireless technology along with a Windows or Android device to help identify and diagnose unidentified noises.

- Four color coded vibration sensor clamps provide multiple location diagnostics
- Detachable sound wand with probe provides high quality sound detection
- Sound wand can be used as a stethoscope to find noises under the hood
- Sound files can be saved and e-mailed to be reviewed by the customer or for further analysis by other technicians
- The intuitively designed software provides easy pinpointing of noises from multiple locations
- Docking station charges Bluetooth modules and allows for storage of clamps and sound wand

SER **78684**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN

SmartEAR 1 HARDWARE KIT

The Steelman PRO SmartEAR 1 will make your noise diagnostic problems a thing of the past and will turn your smartphone, tablet or iOS device into a vital tool that takes the guessing game out of locating those pesky unpleasant automotive noises

- Apply the sensor clamp to isolate noises coming from hard to reach or under the hood areas
- Average, peak, and real-time sound output levels are shown in either digital or analog format along with a sound wave graph
- The app features an equalizer allowing you to zero in on distinct pitches and frequencies of noises
- Simply download and install the free app to your preferred smart device then attach your device to the SmartEAR 1 and you will be ready to detect those annoying noises and vibrations
- Nylon zipper pouch, dual port dongle, comfort fit ear buds, two piece wired sound wand with probe, vibration sensor clamp, and user quick start guide included

SER **91927**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MECHANIC'S STETHOSCOPE

This 18" stethoscope locates the source of engine noise quickly and identifies piston slaps, worn gears, faulty valves, water pump failure, damaged gaskets and defective bearings. Features shock resistant handle. Wand Length: 18"

SER **835**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

MECHANIC'S STETHOSCOPE

Assists with locating mechanical problems in engines and other types of machinery. Allows technician to listen for flow in hoses and tubing. Probe included.

BK **776-9060**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WI-FI BOROSCOPE

High-resolution, multiple aspect camera (1920 x 1080, 1280 x 720 and 640 x 480) with adjustable LED lighting

- Works in conjunction with your phone or tablet
- Compact camera is only 5.5mm in diameter by 35mm in length, allowing user to have greater access
- Long, bendable cable (58 in.) is flexible yet rigid enough to give users access into hard to view areas
- Uses an independent Wi-Fi signal (approximate range is 30 ft.), there's no need to be connected to a computer
- Lens and cable are IP67 certified, dustproof and waterproof in up to 3 ft. of water for up to 30 minutes (Transmitter is not rated as such)
- Mobile app for both Android (2.3 and up) and iOS (6.0 and up) devices gives users options: image capture, video recording and album storage

SER **84**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - [illegible]**

WARNING: Always wear eye and face protection.

CARLYLE® TORQUE WRENCHES

Carlyle professional torque wrenches are the class of the professional torque wrench industry. This extremely broad program will transform the way technicians are able to read, understand, and use tools they rely upon in the workplace every day. Incorporating the latest technology in both digital wrenches as well as angle meters, this program covers most applications. Each wrench is fully compliant with US Federal Safety Specifications and passes the ASME B107.14M standard, so you can rest assured that the tool you choose will be capable of delivering the excellence guaranteed by the NAPA name.

DIGITAL ANGLE METERS

With an angle accuracy of +/– 2° for a 90° rotation and audible alarm/LED indicators, Carlyle digital angle meters yield accurate torque results in low lit areas.

CARLYLE TOOLS by NAPA

DIGITAL ANGLE METER WITH MAGNET

- Angle Range 1-360°
- Torque Accuracy: CW: +/-3% - CCW: +/-4% Audible alarm/6 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Can be used on any drive size hand tool ratchet
- Batteries: 2 x AAA

CHT **DAMM**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DIGITAL TORQUE/ ANGLE ADADPTER

- Measures: ft-lbs, in-lbs, degrees, N-m, kg-cm
- Angle Accuracy: +/-2° for 90° rotation
- Angle Range: 1-360°
- Torque Accuracy: CW: +/-3% - CCW: +/-4%
- Audible alarm/12 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Batteries: 2 x AAA

CHT **DATA12**

Item No.	Description
CHT **DATA14**	1/4" Dr., Torque Range: 1.11-22.12 ft-lbs
CHT **DATA38**	3/8" Dr., Torque Range: 5-99.5 ft-lbs.
CHT **DATA12**	1/2" Dr. , Torque Range: 12.5-250.7 ft-lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. DR. DIGITAL TORQUE WRENCH WITH QUICK RELEASE

- Measures: ft-lbs, in-lbs, kg-cm
- Torque Accuracy: CW: +/-3% - CCW: +/-4%
- 60 teeth ratchet head with quick release
- Audible alarm/2 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Comfort grip
- Batteries: 1 x AAA

Item No.	Description
CHT **DTW14FL**	• Torque Range: 0.44-8.85 ft-lbs

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ELECTRONIC & DIGITAL TORQUE WRENCHES

Carlyle electronic & digital torque wrenches are well-equipped with a comfort grip, memory cells for convenient recalls of stored settings, and ability to switch between ft-lbs, in-lbs, N-m, & kg-cm. Audible alarm and LED indicators are essential for situations in low lit or tight spaces where you might not be in a position to view the screen.

CARLYLE TOOLS by NAPA

DIGITAL FIXED HEAD TORQUE WRENCHES WITH ANGLE INDICATOR

- Measures: ft-lbs, in-lbs, degrees, N-m, kg-cm
- Torque Accuracy: CW: +/-2% - CCW: +/-2%
- Angle Accuracy: (+/-1% of reading) + (+/-1 degree @ angular velocity) > 10 deg/sec < 180 deg/sec)
- 32 teeth fixed head ratchet without quick release
- Audible alarm/3 LED indicator for torque accuracy in low lit areas
- 99 data memory recall
- Comfort grip
- Batteries: 2 x AA

Item No.	Description
CHT **DTW38**	3/8" Dr., Torque Range: 10-100 ft-lbs.
CHT **DTW12**	1/2" Dr., Torque Range: 25-250 ft-lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DIGITAL FLEX HEAD TORQUE WRENCHES WITH ANGLE INDICATOR

- Measures: ft-lbs, in-lbs, degrees, N-m, kg-cm
- Torque Accuracy: CW: +/-2% - CCW: +/-3%
- Angle Accuracy: +/-2° for 90° rotation
- 36 teeth flex head ratchet with quick release
- Audible alarm/12 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Comfort grip
- Batteries: 2 x AA

Item No.	Description
CHT **DTW38FL**	3/8" Dr., Torque Range: 5-99.5 ft-lbs.
CHT **DTW12FL**	1/2" Dr., Torque Range: 12.5-250.7 ft-lbs.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

DIGITAL SCREWDRIVER WITH 1/4 IN. DR. BIT HEAD

- Torque Range: 0.88-17.7 in-lbs.
- Measures: in-lbs, cN-m, kg-cm
- Torque Accuracy: CW: +/-2.5% - CCW: +/-3.5%
- Audible alarm/2 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- #2 Phillips bit included
- Comfort grip
- Batteries: 1 x AAA

CHT **DSD14**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ROUND FIXED HEAD CLICK STYLE TORQUE WRENCHES

- Torque Accuracy: CW: +/-4% - CCW: +/-6%
- 72 teeth fixed head ratchet without quick release
- Two-way click design (clockwise/counterclockwise) for measuring right and left hand threaded bolts

Item No.	Description	Length
CHT **TW14RH1**	1/4" Dr., Torque Range: 5-50 in-lbs	9.56"
CHT **TW38RH2**	3/8" Dr., Torque Range: 10-100 ft-lbs	16.19"
CHT **TW38RH1**	3/8" Dr., Torque Range: 25-250 ft-lbs	11 1/4"
CHT **TW12RH1**	1/2" Dr., Torque Range: 25-250 ft-lbs	24.13"
CHT **TW34**	3/4" Dr., Torque Range: 100-600 ft-lbs and Durable anodized aluminum handle. Case included.	38"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TEARDROP TORQUE WRENCHES

Fixed Head

Flex Head

- Torque Accuracy: CW: +/-3%
- 32 teeth fixed head ratchet without quick release
- One-way click design (clockwise) for measuring right hand threaded bolts

Item No.	Description	Length
Fixed Head		
CHT **TW14TD**	1/4" Dr., Torque Range: 30-200 in-lbs.	14 11/16
CHT **TW38TD1**	3/8" Dr., Torque Range: 10-100 ft-lbs.	14"
CHT **TW38TD2**	3/8" Dr., Torque Range: 50-250 in-lbs.	14 11/16"
CHT **TW12TD1**	1/2" Dr., Torque Range: 30-250 ft-lbs.	24 1/2"
CHT **TW12TD2**	1/2" Dr., Torque Range: 10-150 ft-lbs.	20 5/16"
Flex Head		
CHT **TW38FL**	3/8" Dr., Torque Range: 5-75 ft-lbs.	17.5"
CHT **TW12FL**	1/2" Dr., Torque Range: 30-250 ft-lbs.	26"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/2 IN DR. TEARDROP 36 TOOTH TORQUE WRENCH

New thrust bearing system for smooth handle torque adjustments. Recessed switch plate for smooth actuation. Aggressive grip for increased control. Durable metal end cap. Easy for calibration. Torque Range: 25-250 ft-lbs. Drive Size: 1/2"

CHT **TW12TD36**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1 IN. DR. BREAKBACK TORQUE WRENCH

This breakback torque wrench is 1" drive. 49" Length. overall and has 36 teeth. Range is 150-600 ft-lbs. Case not included.

Item No.	Description
CHT **TW1**	**Torque Wrench,** Torque Range: 150-600 ft-lbs.
CHT **TWA34**	**3/4" Square Drive Adapter** Torque Range: 100-600 ft-lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/2 IN. DR. PRESET TORQUE WRENCHES

Each torque wrench is precisely preset to it's proper ft-lbs. measurement. Percentage of accuracy to the preset torque is +/- 4% clockwise and +/- 6 % counter-clockwise. Audible click once preset torque is reached. Full polished chrome finish durable. 105° angled head provides proper leverage angle during use. Comfort-grip handle provides less fatigue. Color-coded grip allows user to easily remember which wrench to use for the job. Each torque wrench comes with a certified calibration certificate. Product meets ASME B107.14M-2004.

Item No.	Description	Handle	*CHT* **TWSPS5** 5 Pc. Set. w Case
CHT **TW12PS60**	60 ft-lbs.	Black	•
CHT **TW12PS80**	80 ft-lbs.	Yellow	•
CHT **TW12PS100**	100 ft-lbs.	Gray	•
CHT **TW12PS120**	120 ft-lbs.	Red	•
CHT **TW12PS140**	140 ft-lbs.	Blue	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Multi-Applications

GEARWRENCH 120XP

MICROMETER TORQUE WRENCHES, FLEX HEAD

APX **85174**

- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Enclosed head design for extreme resistance to dirt infiltration
- Teardrop low profile head and flush mounted on/off switch allow better access in tight spaces
- Pull back locking collar
- Double-stacked pawls engage a 60-tooth gear providing exceptional strength, exceeding ASME specifications
- 120 positions, 3 degree ratcheting arc
- High definition, dual scale markings are easier to read
- Pull back locking collar
- Knurled aluminum grip
- Midpoint marked for accuracy

APX **85189**

Item No.	Drive Size	Head Style	Primary Scale Range	Primary Scale Increments	Alt. Scale Range	Alt. Scale Increments	Tooth Count	Head Thickness	Head Width	Length	Weight
APX **85174**	3/8"	Standard	30-250 in./lbs.	1 in./lb.	4-23 Nm	0.11 Nm	60T/120 Pos.	0.55"	1.25"	18.25"	2.55 lbs.
APX **85188**	3/8"	Flex	5-75 ft./lbs.	1 ft./lb.	7-136 Nm	1.4 Nm	60T/120 Pos.	0.55"	1.25"	18.5"	2.6 lbs.
APX **85180**	1/2"	Standard	20-150 ft./lbs.	1 ft./lb.	27-203 NM	1.4 Nm	60T/120 Pos.	0.75"	1.75"	24.88"	3.7 lbs.
APX **85189**	1/2"	Flex	30-250 in./lbs.	2 ft./lb.	54-353 NM	2.7 Nm	60T/120 Pos.	0.75"	1.75"	26"	4 lbs.

GEARWRENCH

1 IN. MICROMETER TORQUE WRENCHES

APX **85067**

- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Meets or exceeds ASME B107.300
- Easy lock and adjustment design
- Scale markings are highly visible and easy to read
- Knurled steel for durability and grip

APX **85068**

Item No.	Drive Size	Head Style	Primary Scale Range	Primary Scale Increments	Alt. Scale Range	Alt. Scale Increments	Tooth Count	Head Thickness	Head Width	Length	Weight
APX **85067**	1"	Standard	150-750 in./lbs.	5 ft./lb.	237-983 Nm	5 Nm	24	1.34"	2.76"	48.81"	14.08 lbs.
APX **85068**	1"	Standard	200-1000 ft./lbs.	5 ft./lb.	305-1322 Nm	5 Nm	24	1.34"	2.76"	73"	23.32 lbs.

GEARWRENCH

ELECTRONIC TORQUE WRENCHES

APX **85085**

- "Target Torque Alert" and "Target Angle Alert" (*APX* **85078** / *APX* **85079**) gives a warning as the target torque or target angle is approached, so there is less chance of over torqueing a bolt
- Angle Accuracy (+/-1% of Reading) + (+/-1 degree @ angular velocity >10 degree/sec <180 degree/sec) + (+/-1 degree of test fixture)
- Ten torque setting presets for frequently repeated applications
- Accurate in clockwise direction +/- 2% from 20% to 100% of full scale
- 15 degree flex head for improved access
- Handle vibrates, buzzer sounds and LCD screen alerts when the target torque is reached
- All steel design
- Five torque measurement units are available: Nm, ft-lbs, in-lbs, kgf-m, kgf-cm
- Meets or exceeds ASME B107.300

Item No.	Drive Size	Head Style	Primary Scale Range	Primary Scale Increments	Alt. Scale Range	Alt. Scale Increments	Tooth Count	Head Thickness	Head Width	Length	Weight
APX **85082**	3/4"	Standard	73.8-738 ft./lbs.	0.07 ft./lb.	100-1000 Nm	1 Nm	24	2.2"	2.4"	49.1"	13.1 lbs.
APX **85085**	1"	Standard	110-1107 ft./lbs.	0.1 ft./lb.	150-1500 Nm	1 Nm	24	2.3"	2.4"	49.1"	13.1 lbs.

WARNING: Always wear eye and face protection.

GEARWRENCH

INTERCHANGEABLE TORQUE WRENCHES

- Torque accuracy of +/- 3% CW between 20% and 100% of wrench capability
- Full range of adapters with square style 9x12 and 14x9 drive tang
- Scale markings are highly visible and easy to read
- Pull adjustment collar for easy and quick torque setting changes
- Midpoint on handle clearly marked for accuracy
- Knurled anodized aluminum handle reduces hand fatigue
- Meets or exceeds ASME B107.300

APX **89473**

APX **89470**

Item No.	Adapt.Size	Primary Scale Range	Increments	Alt. Scale Range	Scale Increments	Scale Range	Scale Increments	Tube/Handle Dia.	Length	Weight	Head Width	(C) Overall Length	Weight
APX **89470**	9 x 12mm	1-5 Nm.	0.1 Nm	9-44 in./lb.	0.89 in./lb.	1-4 ft./lb.	0.1"	143/232mm	210mm	0.66 lbs.	25mm	46mm	0.15 lb.
APX **89471**	9 x 12mm	5-25 Nm.	0.1 Nm	44-221 in./lb.	0.89 in./lb.	4-18 ft./lb.	0.1"	143/232mm	250mm	0.77 lbs.	34mm	51mm	0.31 lb.
APX **89472**	9 x 12mm	20-100 Nm.	0.5 Nm	177-885 in./lb.		15-74 ft./lb.	0.4"	224/322mm	42mm	2.31 lbs.	34mm	52mm	0.34lb.
APX **89473**	14 x 18mm	40-200 Nm.	1 Nm	354-1770 in./lb.		30-148 ft./lb.	1"	224/332mm	525mm	2.86 lbs.	41mm	72mm	0.66 lb.
APX **89474**	14 x 18mm	68-340 Nm.	2 Nm	602-3009 in./lb.		50-251 ft./lb.	2"	224/332mm	590mm	3.19 lbs.	25mm	46mm	1.5 lb.

GEARWRENCH

INTERCHANGEABLE TORQUE WRENCH SETS

- Available in SAE and Metric

APX **89450**

APX **89453**

Item No.	Drive Size	Set Range	Adapter Size	Ratchet Head Adapter Size	Case Length	Case Width	Case Height	Product Weight
APX **89450**	12pc SAE Interchangeable Torque Wrench 5-25Nm	5/16" - 13/16"	9 x 12mm	1/4"	290mm	185mm	50mm	2.88 lb.
APX **89451**	12pc Metric Interchangeable Torque Wrench 5-25Nm	8 - 17mm	9 x 12mm	1/4"	290mm	185mm	50mm	2.88 lb.
APX **89452**	12pc SAE Interchangeable Torque Wrench 20-100Nm	5/16" - 13/16"	9 x 12mm	3/8"	470mm	270mm	60mm	4.42 lb.
APX **89453**	12pc Metric Interchangeable Torque Wrench 20-100Nm	8 - 17mm	9 x 12mm	3/8"	470mm	270mm	60mm	4.42 lb.

GEARWRENCH

PRESET TORQUE WRENCHES

- Accurate in clockwise direction +/- 3% from 20% to 100% of full scale
- Fixed Ratchet head or Square Drive receiver - 9x12mm and 14 x 18mm
- Matte chrome finish
- Solid Comfort grip handle
- Adjustment access at base of grip
- Meets or exceeds ASME B107.300

APX **85160**

APX **89460**

Fixed Head

Item No.	Drive Size	Nm Range	in./lb. Range	ft./lb. Range	Tooth Count	(A) Head Thickness	(B) Head Width	(C) Overall Length	Product Weight
APX **85160**	1/4"	1-5Nm	9-44 in./lb.	1 - 4 ft./lb.	36	21	25	190mm	0.43 lb.
APX **85161**	3/8"	5-25Nm	44-221 in./lb.	4 - 18 ft./lb.	36	25	25	215mm	0.48 lb.
APX **85162**	3/8"	10-50Nm	89 - 442 in./lb.	7 - 37 ft./lb.	36	25	25	235mm	0.83 lb.
APX **85163**	1/2"	20-100Nm	177 - 885 in./lb.	15 - 74 ft./lb.	36	34	32	315mm	1.36 lb.
APX **85164**	1/2"	40-200Nm	354 - 1770 in./lb.	30 - 148 ft./lb.	36	34	32	463mm	2.73 lb.

Interchangeable Head

Item No.	Adapter Size	Nm Range	in./lb. Range	ft./lb. Range	(C) Overall Length	Product Weight
APX **89460**	9 x 12mm	1-5Nm	9 - 44 in./lb.	1 - 4 ft./lb.	164mm	0.39 lb.
APX **89461**	9 x 12mm	5-25Nm	44 - 221 in./lb.	4 - 18 ft./lb.	189mm	0.44 lb.
APX **89462**	9 x 12mm	10-50Nm	89 - 442 in./lb.	7 - 37 ft./lb.	209mm	0.74 lb.
APX **89463**	9 x 12mm	20-100Nm	177 - 885 in./lb.	15 - 74 ft./lb.	289mm	1.23 lb.
APX **89464**	14 x 18mm	40-200Nm	354 - 1770 in./lb.	30 - 148 ft./lb.	437mm	2.46 lb.

WARNING: Always wear eye and face protection.

GEARWRENCH

TORQUE SCREWDRIVERS

- Accuracy to +/- 6%
- Drive quick release adapter
- Locking sleeve device
- Comfort grip, high torque handle
- Meets or exceeds ASME B107.300

APX **89621**

APX **89620**

Item No.	Description	Primary Range	Increments	Accuracy	Handle Thickness	Handle Length	Overall Length	Product Weight
APX **89621**	Torque Screwdriver (1/4")	1 - 6Nm	0.1	+/- 6%	37mm	95mm	195mm	0.75 lb.
APX **89622**	Torque Screwdriver (1/4")	21 - 165 in./oz.	0.01	+/- 6%	37mm	95mm	180mm	0.51 lb.
APX **89623**	Torque Screwdriver (1/4")	5 - 25 in./lbs.	0.5	+/- 6%	37mm	95mm	195mm	0.75 lb.
APX **89624**	Torque Screwdriver (1/4")	10 - 50 in./lbs.	1	+/- 6%	37mm	95mm	195mm	0.75 lb.
APX **89625**	Mini Torque Screwdriver (5/32")	5 - 66Nm	0.5	+/- 6%	26mm	25mm	100mm	0.23 lb.
APX **89620**	Torque Screwdriver Set, Includes: *APX* **89624,** 1/4" quick release chuck, 19 special length adapters, Phillips®, Slotted, and Hex Heads							

GEARWRENCH

BENCH TOP TORQUE TESTERS

- Designed for inspection of torque wrenches in production workshop;
- Accuracy: +/-1%
- Three modes: Track, Peak, First Peak
- Lb.ft, Lb.in, Nm and Kg.cm
- Backlight for dark working condition
- Four screw bolts that can be fixed on the workbench or other base plate
- Built-in rechargeable lithium battery, or full time AC connection
- Percentage error between the measured value and the set value, no more manual calculation
- 1500 data storage
- Data upload through the USB interface;
- 10 minutes automatic shutdown function
- Audible and visual alarm

APX **89632**

Item No.	Drive Size	Primary Range	Accuracy	Height	Width	Length	Product Weight
APX **89631**	1/4"	Bench Tester 10-100 in./lb. (1.1 - 11.3Nm)	+/- 1%	3.35"	5.35"	5.31"	4.8 lb.
APX **89632**	3/8"	Bench Tester 3-30 ft./lb. (4.1 - 40.7Nm)	+/- 1%	3.35"	5.35"	5.31"	5.7 lb.
APX **89633**	1/2"	Bench Tester 10-100 ft. lb. (13.6 - 135.6Nm)	+/- 1%	3.35"	5.35"	5.31"	6.4 lb.
APX **89634**	1/2"	Bench Tester 25-250 ft./lb. (33.9 - 339.0Nm)	+/- 1%	3.35"	5.35"	5.31"	6.8 lb.
APX **89635**	3/4"	Bench Tester 75-750 ft./lb. (101.7 - 1016.9Nm)	+/- 1%	3.35"	5.35"	5.31"	7.5 lb.

GEARWRENCH

BENCH TOP TORQUE TESTERS

- Within 10% - 100% of full load value, accuracy +/- 0.5%;
- 7" color touch screen;
- Three Modes: Track, Peak, First peak
- Three Interfaces: Regular, Preset, Curve
- Multiple Units: N.m, cN.m, kg.m, ck.gm, Lb.ft, Lb.in, Oz.in
- Easy menu operation mode;
- Upload data through the USB interface;
- Compatible with 89640 Torque Testing Stand
- Automatically store 15 test reading while testing the torque wrench;
- Preset parameter 100 groups;
- 5000 data can be stored;

APX **89636**

Item No.	Drive Size	Primary Range	Accuracy	Height	Width	Length	Product Weight
APX **89636**	1/4"	Bench Tester 10-100 in./lb. (1.1 - 11.3Nm)	+/- 5%	3"	4"	4"	4.6 lb.
APX **89637**	3/8"	Bench Tester 3-30 ft./lb. (4.1 - 40.7Nm)	+/- 5%	3"	4"	4"	5.1 lb.
APX **89638**	1/2"	Bench Tester 10-100 ft. lb. (13.6 - 135.6Nm)	+/- 5%	3"	4"	4"	5.4 lb.
APX **89639**	1/2"	Bench Tester 30-300 ft./lb. (40.7 - 406.7Nm)	+/- 5%	3"	4"	4"	5.6 lb.

WARNING: Always wear eye and face protection.

GEARWRENCH

TORQUE TESTING STAND AND FIXTURE

- Large diameter wheel for easy and smooth application
- Instrument rack tray is adjustable for ease of use
- Adjustable to accommodate different wrench lengths
- Torque tester not included
- Drive Size: 1/4", 3/8" & 1/2"
- Height: 23.2"
- Width: 11.4"
- Length: 33.9"
- Weight: 71.7

APX **89640**

EVERCRAFT

3/8 IN. DR. MICROMETER-STYLE TORQUE WRENCH

All parts (including shaft) are heat-treated, carbonized, quenched and twice-tempered for long-life and accurate performance. Ratchet gears feature chrome molybdenum steel construction for durability. The nickel chrome-plated and sandblasted shaft reduces metal fatigue. Provides accuracy within plus or minus 3%. Torque Range: 5-80 ft-lbs.

BK **776-0951**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

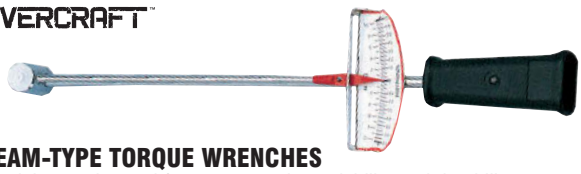
1/2 IN. DR. DELUXE MICROMETER-STYLE TORQUE WRENCH

All parts (including shaft) are heat-treated, carbonized, quenched and twice-tempered for long-life and accurate performance. Ratchet gears feature chrome, molybdenum steel construction for durability. The nickel chrome-plated and sandblasted shaft reduces metal fatigue. Provides accuracy within plus or minus 3%. Torque Range: 10-150 ft-lbs.

BK **776-0950**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT



BEAM-TYPE TORQUE WRENCHES

Precision engineered for accuracy, dependability and durability.

Item No.	Description
BK **776-1950**	3/8" Dr., 0-75 ft-lbs.
BK **776-1951**	1/2" Dr., 0-150 ft-lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CHT **TAS38109**

3/8 IN. DR. TORQUE ADAPTERS & SETS

For torque requirements in hard to reach areas. Includes bar holder. Made of chrome vanadium.

Item No.	Size	*CHT* TAS38109 9 Pc. Set.	*CHT* TAS38110M 10 Pc. Set.
CHT **TA38108**	1/4"	•	
CHT **TA38110**	5/16"	•	
CHT **TA38112**	3/8"	•	
CHT **TA38114**	7/16"	•	
CHT **TA38116**	1/2"	•	
CHT **TA38118**	9/16"	•	
CHT **TA38120**	5/8"	•	
CHT **TA38122**	11/16"	•	
CHT **TA38124**	3/4"	•	
CHT **TA38110M**	10mm		•
CHT **TA38111M**	11mm		•
CHT **TA38112M**	12mm		•
CHT **TA38113M**	13mm		•
CHT **TA38114M**	14mm		•
CHT **TA38115M**	15mm		•
CHT **TA38116M**	16mm		•
CHT **TA38117M**	17mm		•
CHT **TA38118M**	18mm		•
CHT **TA38119M**	19mm		•

⚠ **WARNING: (*CHT* TAS38109 & *CHT* TAS38110M) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OTC

TORQUE ANGLE GAUGE

For meeting torque angle procedures now required by many manufacturers to assure accurate tightening of fasteners and head bolts. Gauge is easy to read, provides precise readings and accommodates 1/2" drive torque wrenches.

BK **700-2477**

EVERCRAFT

TORQUE ANGLE GAUGE

360° Angle scale in 2° increments. Adjustable arm has two different lengths for flexibility of use. Drive size: 1/2".

BK **776-8041**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Multi-Applications

CARLYLE TOOLS by NAPA

NUT CRACKER

Splits most stubborn nuts up to 19mm across flats. Ideal for work on shocks, mufflers, and tailpipes. Includes hardened steel chisel driven by large steel screw. Simply tighten screw until nut splits. Size range: 7/16" to 3/4".

SER **710**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

UNIVERSAL NUT CRACKER

Splits most stubborn nuts 7/16" (11mm) through 3/4" (19mm) across the flats. Works in channels not accessible to other tools. Parallel action of pusher cracks nuts without damaging bolt threads. Chisel rotates 360˚ to line up parallel to bolt. Simply tighten the screw until the nut splits. Has rugged drop-forged frame. Do not use on heat-treated nuts. Length: 6 3/4". This is a serviceable product.

SER **715**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

HEAVY-DUTY NUT SPLITTER

Drop Forged Steel Construction. Heat treated steel chisel driven by large self centering steel screw. Fits nuts 7/16" (11mm) to 3/4" (20mm). Place tool over damaged nut. Turn screw clockwise until nut splits.

BK **776-9259**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

STAINLESS STEEL TWISTED WIRE BORE BRUSHES

This durable abrasive bore brush set features the most common sizes for cleaning tubes, ports, bearings and other general wire brush applications. Twisted wire increases cleaning action. Each brush is fitted with a 1/4" hex shaft for use with a standard 1/4" driver. 6-pc set includes 8, 10, 12, 15, 17 and 19 mm sizes.

Note: Do not exceed 600 RPM. For push pull use only. Never turn counter clockwise.

SER **8080**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRASS TWISTED WIRE BORE BRUSHES

This durable abrasive bore brush set features the most common sizes for cleaning tubes, ports, bearings and other general wire brush applications. Twisted wire increases cleaning action. Each brush is fitted with a 11/44" hex shaft for use with a standard 11/44" driver. 6-pc set includes 8, 10, 12, 15, 17 and 19mm sizes. Note: Do not exceed 600 RPM. For push pull use only. Never turn counter clockwise.

SER **8081**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BRM

COPPER INJECTOR CLEANING BRUSH

Cleans critical surfaces that can reduce the time required for quality diesel engine overhaul and maintenance.

- Made in USA
- Removes rust, carbon deposits and dirt
- Stainless steel wire with plastic handle to be used when changing injector while in truck
- 10.5 in. Length

BK **DD153**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

BRM

FLAT BOTTOM BRUSH

Cleans critical surfaces that can reduce the time required for quality diesel engine overhaul and maintenance.

- Made in USA
- Ideal for cleaning of injector seats
- Stainless steel filaments will not cause contamination
- 3/4 in. diameter
- 10.5 in. Length

BK **FB75**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

BRM

COPPER INJECTOR CLEANING BRUSH

Cleans critical surfaces that can reduce the time required for quality diesel engine overhaul and maintenance.

- Made in USA
- Removes rust, carbon deposits and dirt
- Stainless steel wire with plastic handle to be used when changing injector while in truck
- 14.5 in. Length

BK **NH1**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

DEEP WELL END BRUSH

Top quality deep well brush aggressively removes carbon deposits, gasket material and normal dirt.

- Made in USA
- Excellent for detailing
- Designed so that when the end wears away, the body may be cut back to expose a new brush surface
- 4.37 in. Overall length

BK **DEB5**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

12 PC. MINIATURE DEBURRING BRUSH KIT - STAINLESS STEEL

Deburring small holes can be a big problem. Miniature industrial brushes are the perfect solution to deburring, finishing or cleaning hard to reach areas. They are ideal for micro burr removal, internal cleaning, removal of small imperfections and surface preparation.

- Made in USA
- Specifically designed for thru hole applications

Item No.	Description	Size
BK **81AKIT**	Inch	0.032 thru 0.189 in. diameter
BK **81AMMKIT**	Metric	1mm thru 6.5mm diameter

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

PARTS WASH CLEANING BRUSH

Premium injected molded handle with synthetic filaments for resistance to solvent cleaners.

- Made in USA
- Heavy Duty, Non slip grip, Guaranteed not to mushroom

BK **PWA** Flow thru with tube
BK **PWC** Non flow thru

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

325 PC. SWAB-EEZ® ASSORTMENT

SWAB-EEZ® industrial strength low lint swabs are a great item to keep in your toolbox for a variety of uses. Large 325 piece assortment in a variety of head sizes range from 5 - 20 mm. Very useful for cleaning delicate or hard-to-reach areas. Also great for applying shop chemicals and lubricants. Made of medical-grade materials.

SER **9010**

INTERNAL SLIDE HAMMER PULLER SET

The only internal puller on the market that goes from 9/16" to 5 1/4" with the long jaws. No twisting or snapping off, as the safety cage locks the jaws securely into place.

Specifications

- Reach: Up to 9" with the long jaws
- Spread Range: 9/16" to 5 1/4" with the long jaws
- Hammer Weight: 2.5 lbs.

POL **PTPMI6**

SLIDE HAMMER PULLER KIT

This kit provides a wide range of puller applications such as: Flange-type axles, oil seals and other press-fit parts. Jaws can be set up for 2- or 3-jaw internal or external pulling jobs. Kit contains shallow flange, deep flange, slide hammer, yokes, bolts and screws.

SER **41700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2-/3-JAW SLIDE HAMMER PULLER SET

Can be assembled for 2- or 3-jaw, internal and external pulling jobs. Eases removal of flange-type axles, oil seals, bearings and other press fit parts. Includes internal/external two-jaw, eight-function internal/external three-jaw, rear axle and dent puller. Also includes 5 lb. heavy-duty hammer, puller hook, special grip wrench adapter and steel carrying case.

BK **776-3911**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

18 PC. 2-IN-1 PULLER SET

Flange-type puller is ideal for removing harmonic balancers, timing gears and other parts with two or three tapped holes. Also includes steering wheel pulley and flywheel puller. Forged steel body and arms, steel black oxide center screw with ACME threads.

BK **776-3902**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Multi-Applications

OTC

FLANGE-TYPE PULLER COMBINATION SET

Two specialty pullers in one box. Flange-type puller is ideal for removing harmonic balancers, timing gears and other parts with 2 or 3 tapped holes. Also includes 4 sets of cap screws, and pullers for steering wheels, pulleys and flywheels.

BK **827-1053**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

POSI LOCK

PULLER SET W/ TIPS

Set contains four popular pullers and tips.

POL **PTPM4**

Contents

Item No.	Top Rating	Reach	Spread Range
POL **PLP104C**	5-Ton	4"	1/2" – 5"
POL **PT106**	10-Ton	6"	1/2" – 7"
POL **PT110**	20-Ton	9 2/3"	1" – 15"
POL **PT206**	6-Ton	6"	1/2" – 7"

CARLYLE TOOLS by NAPA

MASTER BOLT GRIP/PULLER KIT

Can tackle almost any 2 or 3-way bolt pulling application on many models. Ideal for use on harmonic balancers, steering wheels, crankshaft pulleys and gears.

SER **41600**

Contents

Qty.	Description
1	Metric Bolt Set
1	SAE Bolt Set
2	Center Screw
1	4 Pc. Tip Set
1	2-/3-Way Yoke

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

POSI LOCK

PULLERS

POL **PT106** *POL* **PT206**

The patented safety Cage guides the jaws for fast setup. Features solid contact and superior safety. Slim, tapered jaws for easier gripping and better access in tight spots. The T-handle locks jaws precisely where you set them. In new clamshell packaging.

Item No.	Top Rating	Puller Reach	Puller Spread Range	Max Torque
3-Jaw				
POL **PLP103C**	2-Ton	3"	1/4" – 4 1/2"	—
POL **PLP104C**	5-Ton	4"	1/2" – 5"	40 ft-lbs
POL **PT106**	10-Ton	6"	1/2" – 7"	130 ft-lbs
POL **PT108**	17-Ton	8"	3/4" – 12"	220 ft-lbs
POL **PT110**	20-Ton	9 2/3"	1" – 15"	275 ft-lbs
POL **PT113**	30-Ton	12"	2 1/2" – 18"	600 ft-lbs
POL **PT116**	40-Ton	14"	3" – 25"	850 ft-lbs
2-Jaw				
POL **PT204**	2-Ton	4"	1/2" – 5"	20 ft-lbs
POL **PT206**	6-Ton	6"	1/2" – 7"	75 ft-lbs
POL **PT208**	12-Ton	8"	3/4" – 12"	150 ft-lbs
POL **PT210**	14-Ton	9 2/3"	1" – 15"	175 ft-lbs
POL **PT213**	25-Ton	12"	2 1/2" – 18"	475 ft-lbs
POL **PT216**	35-Ton	14"	3" – 25"	800 ft-lbs

EVERCRAFT

REVERSIBLE 8-WAY 2- & 3-JAW PULLERS

Can be assembled to make either a two- or three-jaw puller when additional stability is needed. Reversible jaw design for added versatility, and broader range of capabilities. Forged steel body and arms, steel black oxide center screw with ACME threads. Ideal for pulling gears, bearings, pulleys and other press-fit parts.

BK **776-3906** 3 3/8" Reach, 5 1/2" Spread. Capacity: 2 Tons
BK **776-3908** 5 1/2" Reach, 7" Spread. Capacity: 5 Tons

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

REVERSIBLE 4-WAY/2-JAW PULLER

Can be assembled with standard or long-reach for maximum versatility. Reversible jaw for performing internal or external pulling jobs. Ideal for pulling smaller gears, bearings, pulleys and other press-fit parts. Maximum Reach: 3 3/8". Maximum Spread: 4". Capacity: 2 tons.

BK **776-3905**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

PULLEY PULLER

Removes 1 or 2-groove pulleys on power steering and water pumps. Alloy-steel construction.

BK **776-9073**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

LOW PROFILE PULLER

- Low Profile to reach in to tight spaces.
- The jaws stay put before tension is applied for easy use.
- Easy to adjust the position of the legs making installation of the puller easy
- 2" to 5" diameter
- 2" depth

SER **957**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FACE GROOVE DRIVE PULLEY PULLER

- Allows user to remove pulleys with 3, 6, or 9 slots
- 42 to 82 mm
- Compact design for low profile applications. Adjustable legs to give it a wide range
- Legs are adjustable to fit multiple sizes

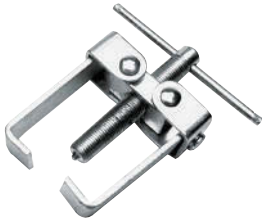
SER **181**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

2-JAW GEAR PULLERS

Drop forged, chrome-plated puller.



Item No.	Description
BK **776-8042**	8"
BK **776-8043**	3 1/2"
BK **776-8044**	6"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

10-TON CAPACITY PUSH PULLER

Can be used on various bearing and internal pulling attachments. Maximum Reach: 8 1/4". Spread Range: 2 1/8" - 7 1/4". Center Screw Size: 3/4" – 16 x 12. Leg End Thread Size: 1/2" Threaded 5/8"-18.

BK **827-1054**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

COMBINATION 2-JAW REVERSIBLE INTERNAL/EXTERNAL PULLERS

Pullers forged from quality heat-treated steel and rigorous testing exceeds rated capacity.

Specifications

Item No.	Max. Ton	Max. Reach	Screw Spread	Screw Size	Thickness Length	Width Upper/ Lower	Tip Protectors Upper/ Lower	Weight	Pack Style	Puller Center Screw Size	Center Screw	Thread Length
SER **3551**	2	3 1/2"	5"	3/8" x 24 TPI	4 7/8"	3/16"-1/8"	5/16"-1/2"	14 oz.	Pouch	3/8" x 24 TPI	5" OAL	3 1/2"
SER **3552**	5	5 3/4"	8"	9/16" x 20 TPI	7"	1/4"-5/16"	3/8"-3/4"	1 lb., 12 oz.	Pouch	9/16" x 20 TPI	7" OAL	5 1/2"
SER **3553**	7	9"	5"	11/16" x 18 TPI	7 5/8"	3/8"-3/8"	1"-1"	4 lbs., 8 oz.	Pouch	11/16" x 18 TPI	9" OAL	7 1/2"

Item No	Description
SER **3552-71**	Replacement Jaw Assembly for *SER* **3552**
SER **3552-72**	Replacement Center Screw for *SER* **3552**
SER **3552-73**	Replacement Screw Link for *SER* **3552**
SER **3553-71**	Replacement Jaw Assembly for *SER* **3553**
SER **3553-73**	Replacement Screw Link for *SER* **3553**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

COMBINATION 2- & 3-JAW REVERSIBLE INTERNAL/EXTERNAL PULLERS

Pullers forged from quality heat-treated steel and rigorous testing exceeds rated capacity.

Specifications

Item No.	Max. Ton	Max. Reach	Screw Spread	Screw Size	Thickness Length	Width Upper/ Lower	Tip Protectors Upper/ Lower	Weight	Pack Style
SER **3561**	2	3 1/2"	5"	3/8" x 24 TPI	4 7/8"	3/16"-1/8"	5/16"-1/2"	1 lb., 5 oz.	Plastic Box
SER **3562**	5	5 3/4"	8"	9/16" x 20 TPI	7"	1/4"-5/16"	3/8"-3/4"	2 lbs., 12 oz.	Plastic Box
SER **3563**	7	5"	9"	11/16" x 18 TPI	7 5/8"	3/8"-3/8"	1"-1"	6 lbs., 2 oz.	Plastic Box

Item No.	Description
SER **3562-74**	Replacement Yoke for *SER* **3562**
SER **3563-74**	Replacement Yoke for *SER* **3563**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

RATCHETING GEAR PULLERS

Carlyle ratcheting gear puller is quick and convenient to use, up to 5X quicker than traditional pullers. Used to pull out gears, pulleys, bearing flanges and fly wheels, shafts and housings.

- Slim profile of jaws enables convenient access to hard to reach bearings and gears
- Jaws are chrome plated with spindle in manganese phosphate finish for protection against corrosion and rust
- Jaws forged from chrome molybdenum steel with accurate heat treatment for enhanced strength and wear resistance
- Quick and convenient conversion from 2 to 3 jaw configurations, jaws can also be reversed for internal or external pulling of gears and bearings
- Easily removable jaws for setting to required jaw configuration or internal/external setting, ratcheting mechanism holds jaw in position while setting puller

Item No.	Desc.	Min. / Max. Reach	Overall Height	Overall Width	Center Screw Size	Center Screw Size Length	Puller Reach	Ton Rating	Threads per Inch
SER **RGP23**	2T	2" / 3.1"	2.76"	5.51"	0.38"	4.88"	—	2	24
SER **RGP56**	5T	3.8" / 6"	2.76"	9.25"	0.56"	8.66"	6"	5	13
SER **RGP78**	7T	4.9" / 8.6"	5.91"	13.39"	0.75"	12.51"	8.6"	7	13

CARLYLE TOOLS by NAPA

SLIDE HAMMER JAW KIT

Slide hammer jaw kit features legpackage with screws.

SER **41708**

⚠ **WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

WEATHER PACK TERMINALS CRIMPING KIT

Complete kit to crimp and release Weather Pack terminals. Die Set is designed to complete two (2) actions with one-step. Crimps the tube over the wire and roll the tabs around the seal.

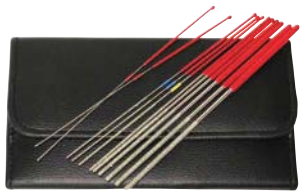
Contains: (1) Release Tool, (1) Ratcheting Terminal Crimping Tool, (1) Die Set for 18, 20, & 22 AWG, (1) Die Set for 12, 14, & 16 AWG

SER **18850**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

12 PC. MICRO ROUND FILES



Complete set of tools to clean round pin-type electrical terminals commonly used in Cannon, Deutsch, bullet type and general electrical connections. The super hard diamond coated micro files set includes 12 individual files in a handy carrying pouch. Sizes range from .030" to .120". Each tool features a diamond abrasive coating for precise cleaning, sizing and durability. Commonly used in automotive, truck, industrial and military-type applications. Can also be used for general file type applications where small orifice cleaning is required. The set covers a total of 10 sizes and 2 additional duplicate cleaners in the .030" and .040" range. Each file is marked or color-coded for size. Made of stainless steel.

SER **8042**

PIN-TYPE ELECTRICAL BACK PROBE KIT

Helps take voltage or signal measurements by back probing connectors without damage. No need to disconnect connector and terminal. Kit contains five different color probes for easy identification.

SER **490N**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

LIGHT BULB PLIERS

Removing or installing small automotive bulbs should not be a hassle. They are fragile and easily broken. Sometimes it is hard to reach a bulb with just your fingers. The other concern could be corrosion. These pliers make it easy to handle small bulbs in any scenario, and the extended bulb grippers give you the ability to get into hard-to-reach areas.

- Fits most mini and small bulbs
- Rubber-coated tips designed to grip bulbs safely
- Extended reach for recessed, corroded, and broken bulbs
- Scissor design for easy handling
- Cushioned grips

Applications:

- Mini and some small bulb sizes

SER **47**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

THROTTLE PEDAL DEPRESSOR

Conveniently holds the accelerator pedal at a constant RPM. Unit connects to the steering wheel with a nylon hook then the depressor rod extends to the accelerator pedal. The adjustment screw is used to fine-tune the RPM level. 40" Length.

SER **48700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNIVERSAL HOOD PROP

Three-piece hood prop telescopes from 18½" to 46¾" , allowing technician to hold hood at desired level. Position on side of vehicle for better access to the engine compartment. Also ideal for use when repairing doors, trunk lids or hatchbacks. Compatible with all vehicle makes and models.

SER **77-4013**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MASTERBEAD ADHESIVE DISPENSER

MasterBead is a handheld silicone/adhesive dispensing gun designed specifically for aluminum type adhesive tubes. Made from ultra-durable polymers it's able to get 99% of the adhesive material out of the tube in a consistent & uniform bead every time.

- Eliminates mess and waste
- Automatic loading feature allows continual dispensing with no need to reset or re-clamp tube
- Enables single handed operation
- 4 Oz. tube size

BK **GTEMB1**

BELT MOLDING TOOL

Unique flared head design and beveled edges allow this belt molding tool to be inserted under the molding at an angle, making removal of newer belt moldings easy while preventing damage.

- For clipless moldings, the tool is twisted or pulled back to release the molding from the door tab
- For metal clip moldings, hook the tool under each clip and pull up
- Works on most domestic and import vehicles

SER **35240**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

RADIO REMOVAL KIT W/ ANTENNA WRENCHES

Kit includes the tools needed to remove the radio from the dash on many domestic and import vehicles without damage to the radio or the dash panel. Antenna nut sockets fit over antennas and down into deep well locations.

SER **41680**

Contents

Item No.	Description
SER **3913**	Radio Removal Tool: U-Hooks
SER **3914**	Key Set: European Vehicles, BMW, VW, Mercedes Benz, Audi
SER **3915**	Antenna Nut Socket Set: For many USA and Asian Imports

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Subhead

EVERCRAFT

FORD RADIO REMOVAL TOOLS

Tools enable fast, damage-free radio removal. Simply insert tools into radio faceplate holes, release retaining clips and use tools as handles to remove radio from instrument panel.

BK **776-9098**

Applications

Year	Model
1990-Current	Bronco II/Ranger
1989-Current	Continental
1990-Current	Cougar/ Thunderbird
1990-Current	Crown Victoria/ Grand Marquis

Year	Model
1990-Current	Mark VII
1987-Current	Mustang
1990-Current	Probe
1988-Current	Tempo/Topaz
1990-Current	Town Car
1990-Current	Sable/Taurus

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

RADIO REMOVAL KEYS

For New VW Beetle, Audi, Mercedes Benz, VW, Allen® Hex Wrench for BMW, Special Pentagon Pin for BMW.

SER **3914**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN

PRO 16 IN. BEND-A-LIGHT® FLEXIBLE LIGHT

Amazing brightness from a tiny bulb. High-intensity, 3/16" bulb and 10" brass, flexible shaft. Powered by two AA batteries (included).

Item No.	Description
BK **700-1852**	16 In. Bend-A-Light®
BK **700-1853**	Replacement Bulb

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN

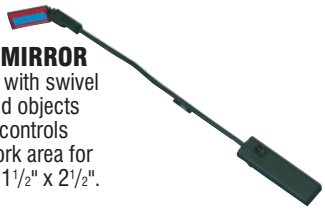
MINI-PRO 5 IN. BEND-A-LIGHT® FLEXIBLE LIGHT

For lighting hard-to-reach areas. High-intensity 3/16" bulb, five-inch brass flexible shaft and pocket clip.

Item No.	Description
BK **700-1851**	5 In. Bend-A-Light®
BK **700-1853**	Replacement Bulb

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN



LIGHTED 24 IN. INSPECTION MIRROR

90° Adjustable mirror, flexible shaft with swivel head allows visual inspection behind objects and around corners. Thumb wheel controls mirror angle. Built-in light floods work area for better visibility. Mirror Dimensions: 1 1/2" x 2 1/2".

BK **700-1858**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEELMAN

LIGHTED 18 IN. INSPECTION MIRROR

Flexible shaft and swivel-head to see behind objects and around corners. Mirror Dimensions: 1 1/2" x 2 1/2".

BK **700-1857**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

LIGHTED INSPECTION MIRROR

Lighted head with 3-LED lights illuminates dark areas for perfect reflection. Strong and lightweight stainless steel handle features textured cushion grip to keep handle secure in wet or oily hands. Telescopes from 6 3/4" to 30 1/4". Rectangular mirror is 2 1/4" x 3 1/2".

SER **HTK-2LT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

STAINLESS STEEL INSPECTION MIRROR

LED Light illuminates dark areas for the perfect reflection. 2 3/8" mirror is strong, lightweight and reaches 6 1/2" to 36 3/8". Textured cushion grip keeps handle secure in wet or oily hands.

SER **HTC-2LT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TELESCOPING INSPECTION MIRROR

Inspect hidden areas with rectangular mirror that swivels to almost any position and has a comfortable vinyl grip. Telescopes from 11 1/4" to 15 1/4". Rectangular mirror is 2 1/8" x 3 1/2".

SER **2108**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

TELESCOPING INSPECTION MIRROR

Inspect hidden areas with the 2¼" diameter mirror that swivels to almost any position and has a comfortable vinyl grip.
Telescopes from 10" to 14".

SER **2109**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TELESCOPING INSPECTION MIRROR

Clear glass 2¼" dia. mirror for perfect reflection and firmly holds mirror for 360° viewing. Strong and lightweight stainless steel handle features textured cushion grip to keep handle secure in wet or oily hands.
Telescopes from 6½" to 36⅜".

SER **HTC-2**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TELESCOPIC MAGNIFYING MIRROR

Perfect for inspecting hidden areas, the 1¼" mirror swivels to almost any position. Telescopes from 7½" to 27¼".

SER **2840**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

2 IN. TELESCOPING MIRROR

Whether you're trying to find the source of a leak or need to grab a dropped bolt, 2" Telescoping Mirror is always handy.

- TELESCOPING shaft extends up to 36-in.
- Makes awkward work spaces visible

CTM **CMMT14116**

EVERCRAFT

LIGHTED RETRIEVING TOOL W/ MIRROR SET

Contents

LED Telescopic tool with 1 lb. magnetic pick-up; Telescopic magnetic pick-up tool, 8 lbs. Telescopic tools: 6" retracted, 26" Extended. 3 inspection mirrors: ⅞", 1¼", 1½". Storage case with EVA foam liner included.

BK **776-9214**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

INSPECTION MIRROR

1-Inch mirror allows viewing of hard to see places. 6" to 26" Telescoping section for custom lengths of hard-to-reach areas. Comfort handle.

BK **776-9218**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

2 PC. MAGNETIC RETRIEVING TOOL & MIRROR SET

Both pieces extend from 7" to 13" and feature swivel-head connections for easy adjustment.

BK **776-9058**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MEGA MAG® MAGNETIC RETRIEVING TOOL

Tool features a neodymium iron-boron high flux magnet for maximum strength. Goblet-shaped head shields sides of magnet from attaching to unwanted metal surfaces. Stainless steel handle with textured cushion grip ensure tool will not slip in wet or oily hands. Lifts 16 lbs. and telescopes from 8¼" to 30¼".

SER **GM-2**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

POCKET TELESCOPIC RETRIEVING TOOL W/POWERCAP®

- POWERCAP® slides over the magnet and shields its sides from attaching to unwanted metal surfaces
- Stainless steel handle
- Textured cushion grip will not slip in wet or oily hands
- Lifts 2½ lbs. and telescopes from 5½" to 25½"

SER **HT-5**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

MAGNETIC PICKUP TOOL

Keep this tool in your pocket
any time you're working with metal hand tools, and especially any type of hardware like nuts, bolts, screws or nails.

- Magnetic Tip lifts up to 2-lbs
- Extended Reach: Extends up to 33"

CTM **CMMT14114**

WARNING: Always wear eye and face protection.

Multi-Applications

EVERCRAFT

BK **776-9215**

BK **776-9216**

BK **776-9217**

MAGNETIC RETRIEVING TOOLS

Extended: 26". Retracted: 6". Comfort handle.

Item No.	Description
BK **776-9215**	1 lb. Magnetic Retrieving Tool
BK **776-9216**	8 lb. Magnetic Retrieving Tool
BK **776-9217**	1 lb. Lighted Magnetic Retrieving Tool

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MAGNETIC RETRIEVING TOOL W/ PENLIGHT

Just turn the aluminum head clockwise to turn on the bright LED light and illuminate dark areas. Handle telescopes from 7 3/16" to 27 3/16" and stores in heavy-duty aluminum case. Strong magnet lifts 5 lbs. Combines two very popular tools that fit in your pocket.

SER **PLP-2**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FLEXIBLE MAGNETIC PICKUP TOOL

This rigid flexible pickup tool bends to any position and stays there. Great for small parts in blind spots and other hard to reach places.

BK **776-0020**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TELESCOPING MAGNETIC RETRIEVING TOOL

Tool extends up to 25 9/16" to pick up hard-to-reach ferrous metal parts or tools up to 1 1/2 lbs. Pocket clip included.

SER **2593**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TELESCOPING MAGNETIC RETRIEVING TOOL

Tool extends from 16 3/4" to 26 1/2" to pick up hard-to-reach ferrous metal parts and tools. Features a comfortable vinyl grip and the 1/2" dia. magnet end rotates to any position. Lifting capacity of 16 oz.

SER **2281**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MINI FLEXIBLE MAGNETIC PICKUP TOOL

Mini flexible telescoping magnetic pickup tool features a super strong neodymium magnet that picks up all ferrous metal objects up to 2 lbs.

- 4.5" Collapsed length
- 13" Extended length

SER **66540**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

HEAVY-DUTY FLEXIBLE MAGNETIC PICKUP TOOL

Flexible telescoping magnetic pickup tool features a super strong neodymium magnet that picks up all ferrous metal objects up to 2.5 lbs. Flexible segment holds its shape to get into tight spots.

- 5.275" Collapsed length
- 23.5" Extended length

SER **66580**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

MAGNETIC RETRIEVING TOOL

Retrieve small, ferrous metal parts easily. Nickel-plated tool has a powerful, permanent magnet (and an easy-grip knurled handle). Shaft flexes to go around corners. Length: 18". Magnet Diameter: 1/2".

SER **1711**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ON/OFF MAGNETIC RETRIEVING TOOL

This 22"-long flexible retrieving tool is able to lift 1 1/2 lbs. The spring-operated magnet will not stick to metal areas until activated, which is achieved by simply pushing the plunger. Tool is flexible for snaking through difficult areas.

SER **3437**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

LED FLEXIBLE SPRING CLAW WITH MAGNET

LED flexible magnetic spring claw has convenient side switch to turn the high intensity LED on and off as needed. Press the plunger and magnetic jaws open / release plunger and magnetic jaws clamp shut. Powerful magnet lifts up to 5 lbs. Tightly wound spring snakes into tight areas to retrieve ferrous or non-ferrous objects. Includes (2) CR2032 batteries. Length: 25 3/8".

SER **16MLT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

LED RETRIEVING CLAW

Flexible spring claw features convenient side switch for bright LED light when additional light is needed. Tightly wound spring snakes into tight and dark areas to retrieve dropped objects weighing up to 2 lbs. Press plunger to open jaws and release to clamp jaws shut. Two lithium batteries included. Length: 25 3/8".

SER **16LT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FLEXIBLE RETRIEVING TOOL

Retrieve small objects from hard-to-reach places. Push the button to open the claws and release to grab. Flexible Shaft Length: 23".

SER **2391**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

PICK UP TOOL W/ MAGNET & CLAW

25" long. Spring loaded claw with 1 lb. magnet.

BK **776-9202**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

3 PC. RETRIEVAL TOOL KIT

Three must-have tools for every shop, garage or repair facility.

- Claw tool features shaft that holds its position for hard to reach areas
- Telescoping mirror and magnetic tool collapse down to about 6 inches for easy storage

Contents: (1) 24 in. claw retrieval tool, (1) 21 in. extendable 2 in. mirror, and (1) 24 in. magnetic pick-up tool

BK **774-0013**

Fowler

0 – 4 IN. / 0 – 200MM ELECTRONIC CALIPER

Fowler's 4-in-1 electronic caliper features a 4-way measurement and an absolute ceramic scale that ensures the caliper will never lose its reference point. Never worry about having to zero your caliper again. It has a smooth thumb-roll action and locking screw for repetitive measurements and has a sturdy, long-life construction.

- This caliper has an accuracy ready of 0.001 in.
- Provides 0.0005 in resolution
- Provides an external jaw length of 1.56 in. and an internal jaw length of 0.635 in.
- Stainless steel

Contents: (1) Caliper, (1) instruction manual, (1) case and (2) batteries

SER **54-100-004-2**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

FRACTIONAL READING POLYCARBONATE ELECTRONIC CALIPER

Fowler's 6 in. polycarbonate electronic caliper features 4-way measuring with an absolute/incremental measurement. It also features a locking screw for repetitive measurements and a large, easy-to-read digital display.

- This caliper has an accuracy reading of 0.008 in.
- Provides 0.0005 in. resolution
- Measures in inches, metric or fractions

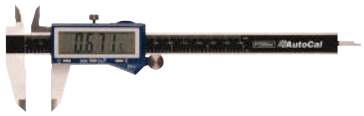
Contents: (1) Caliper, (1) Instruction Manual, (1) Case, (2) Batteries

SER **74-101-175-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

AUTOCAL 6 IN. ELECTRONIC CALIPER



With a heavy-duty frame, readings in in./mm/fractions, a super large display and IP54 protection, the AutoCal is great for harsh garage and shop environments. A floating zero allows you to set zero anywhere in the range of the caliper for comparative measurements, perfect for comparing new and old parts for wear. The combined thumbrest and thumbwheel make fine adjustments and measuring extremely easy. 4-Way measuring serves just about all of your measuring needs.

- IP54 rated against dust and fluid
- Reads in./mm/fractions
- Super large display for easy reading
- Measures outside, inside, depth and step
- Stainless steel frame
- Case included

SER **74-102-006-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Multi-Applications

EVERCRAFT

6 IN. DIGITAL SLIDE CALIPER W/ LARGE LCD WINDOW

Features

- LCD displays up to five digits
- Glass window over LCD is clearer and does not wear out
- Color coded Off, On/Zero and Inch/mm
- Stainless steel frame with hardened jaws, graduated scale and thumb roll
- Four-way measurement, inside, outside, depth and step
- Resolution/repeatability .0005" x 0.01mm
- Data output interface
- Fitted in a plastic box

BK **776-9152** Stainless Digital Caliper
BK **357BPZ-3** Replacement Battery

⚠ **WARNING: (*BK* 776-9152) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

6 IN./150MM DIAL CALIPER

Fowler's 6 in. dial caliper is like having two dial calipers in one. It features a dual reading face showing inch readings in black and metric readings in red. This dial caliper has a 4-way measurement and locking screw for repetitive measurements with a smooth thumb-roll action. The raised sliding surface prevents wear and defacement of graduations.

- This caliper has an accuracy reading of 0.001 in.
- Provides a graduation interval of 0.001 in.
- Provides an external jaw length of 1.56 in.

SER **72-030-006-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

0 TO 6 IN. STAINLESS DIAL CALIPER

Measure outside, inside, step and depth. 0 to 6" Range, .001" (.02mm) increments, .100" (2.0mm) range/revolution. Adjustable dial and thumb wheel for fine adjustment.

BK **776-9151**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

4 IN. VERNIER POCKET CALIPER

Fowler's 4 in. mini Vernier caliper features a 4-way measurement. It has a smooth caliper side and locking screws for repetitive measurements. Made to fit into tight spaces.

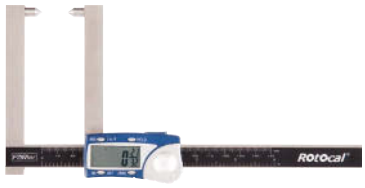
- This has an accuracy reading of 0.001 in.
- Provides a jaw depth of 1.175 in.
- Stainless steel construction provides durability and wear resistance

SER **52-057-004-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

ELECTRONIC ROTOR GAUGE



Fowler's Rotocal electronic rotor gauge, with twin conical anvils, measure rotors with scored surfaces with reliable performance and accuracy.

- Conical anvils measure scored surfaces
- Direct inch/metric/fraction conversion
- Conical anvil for groove measurement
- 3.5 in. Jaw depth for larger rotors
- +/- .001 in./.02 mm Accuracy

SER **74-150-004-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

ELECTRONIC BRAKE DRUM GAUGE

Fowler's EZ Drum Electronic Brake Drum Gauge allows accurate measurements of brake drums up to 20" in diameter.

- Inch/Metric/Fraction conversion
- Zero set, hold and 4 in. drum preset functions
- Electronics are protected against debris and fluid to IP54 specifications
- +/- .003 in./.07 mm Accuracy

SER **74-150-020-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

ROTO CAL REACH ELECTRONIC ROTOR GAUGE

Fowler's Roto Cal Reach Electronic Rotor Gauge measures most rotors while the wheels are still mounted on the vehicle.

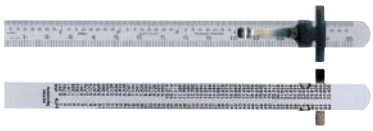
- Twin conical anvils with the ability to measure low points on both sides of the rotor
- Direct inch/metric/fraction conversion
- +/- .001 in./.02 mm Accuracy

SER **74-150-005-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

6 IN. POCKET STEEL RULE



Fowler's pocket steel rule with convenient clip is constructed of tempered stainless steel with a satin-chrome finish for easy, glare-free reading. It also features a pocket clip that also acts as a depth stop for taking quick depth measurements.

- Inch graduations are in 64ths
- Metric scale is in 1mm increments
- One end of the rule is rounded to prevent damage to the pocket

SER **72-380-100-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Fowler

ROTOCAL 6 IN./150 MM ROTOR CALIPER

Water-resistant to IP54, the RotoCal allows you to measure rotors easily in harsh environments. In./mm/fraction readings make measurement conversion fast and accurate. Featuring one conical anvil for groove measurements, a display hold feature and a 3.5 in. jaw length, the RotoCal is perfect for your rotor measuring needs.

- Features 1 conical anvil for groove measurement
- Reads in in./mm/fractions
- Super large display for easy reading
- Stainless steel frame

SER **74-150-006-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

EZ DRUM REACH BRAKE DRUM GAUGE

With its specially curved jaws and conical anvils the EZ-Drum Reach can measure most heavy duty brake drums while still mounted on the vehicle. IN/MM/Fractional readings convert accurately with the press of a button. Included is a 4 in setting reference master, a pre-programmed display function for setting zero at 4 in, and a floating zero which allows zeroing anywhere within the range of the tool.

- Stainless steel frame
- Reads IN/MM/Fractions
- Super large display for easy reading
- Specially curved arms allow most drum measurements while still on the vehicle

SER **74-150-050-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

MICROMETER WITH DIGIT COUNTER

The Fowler Digit Counter Micrometer features .001 in readings on the digital counter and .0001 in readings on the sleeve for fast and easy measurements. The ratchet thimble assures accurate, repeatable readings while the carbide tipped anvil and spindle insure long wear. Supplied in a fitted case along with an adjustment wrench for easy zero setting.

- Digit counter reads in .001 in.
- .0001 in graduations on sleeve
- Carbide tipped anvil and spindle
- Ratchet thimble for repeatability

SER **72-224-001-1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

0-1 IN. MICROMETER

Fowler's Swiss Style micrometers are made exclusively for Fowler and are used wherever high accuracy is a necessity. A great value as they offer the same fine features and quality that you expect from comparable tools at a fraction of the cost.

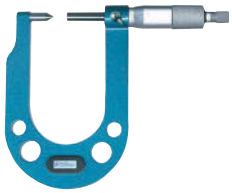
- Unique friction design allows one-hand operation
- Measuring faces are carbide tipped
- Friction/Ratchet thimble assures you of consistent readings at all times. Barrel, thimble and frame are satin chrome finished
- Microfine graduations allow for easy reading
- Fully insulated frame isolates heat from the operator's hand
- +/- .00016 in. Accuracy

SER **72-229-201-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

.300 IN. – 1.300 IN. VERNIER DISC BRAKE MICROMETER



Fowler's Vernier Disc Brake micrometers are used for measuring disc thickness with high accuracy and reliability.

- Carbide tipped measuring face
- Ratchet type thimble for accuracy and repeatability
- Sharp black graduations on a satin chrome finished thimble
- Includes a setting standard and fitted case
- +/- .0002 in. Accuracy

SER **72-234-202-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Fowler

ELECTRONIC MICROMETER

The Fowler Xtra Value Micrometer features .00005 in. resolution for high accuracy measurements in either inch or metric readings. The ratchet thimble assures accurate, repeatable readings while the carbide tipped anvil and spindle insure long wear. ABS/INC measuring modes allow absolute as well as comparative measuring modes for application versatility. Supplied in a fitted case along with batteries and battery removal tool.

- .00005 in. resolution
- Direct inch/metric conversion
- Carbide tipped anvil and spindle
- Ratchet thimble for repeatability
- Absolute and incremental readings

SER **74-870-001-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Fowler

DIAL INDICATOR AND MAGNETIC BASE

This dial indicator and magnetic base set features a base with 85 lbs. of magnetic pull, a fine adjust for easy zeroing and a 1 in. travel dial indicator. .001 in. graduations on a high contrast black dial makes setting and reading easy. The on/off switch makes adjusting and removing the base worry free. The V-style base also allows you to mount this set on cylindrical surfaces for multiple applications.

- Magnetic base with fine adjust
- 1 in. Travel dial indicator
- .001 in. Graduations for high accuracy
- High contrast black dial with adjustable bezel for easy reading
- Magnetic base features on/off switch for easy placement and removal
- Case included

SER **72-520-199-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

X-PROOF WATER-RESISTANT INDICATOR SET

Fowler's dial indicators are used for a variety of measuring solutions including lengths and runouts. A steel rack and pinion, brass gears, jeweled movement and microfine graduations for easy reading make this a versatile tool for any shop. Matched with a fine adjust magnetic base which features an on/off holding switch, V-base for use on both flat and cylindrical surfaces, and a fine adjustment holding arm, this set is a perfect combination for endless applications.

- Carbide ball contact point for extended wear resistance
- 2" x $2^{11}/_{32}$" x $1^{13}/_{16}$" base dimensions
- Also mounts test indicators with $^1/_4$" post

SER **72-585-155-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

0 – 1 IN. DIAL INDICATOR SET

Fowler dial indicators are used for a variety of measuring solutions including lengths and runouts. A steel rack and pinion, brass gears, jeweled movements and microfine graduations for easy reading make this a versatile tool for any shop. Matched with a fine adjust magnetic base which features an on/off holding switch, V-base for use on both flat and cylindrical surfaces, and a fine adjustment hold arm, this set is a perfect combination for endless applications.

- Carbide ball contact point for extended wear resistance
- Base dimensions: 2 in. x $2^{11}/_{32}$ in. x $1^{3}/_{16}$ in.
- Also mounts test indicators with ¼ in. post
- Analog

Contents: (1) Indicator, (1) magnetic base and (1) fitted case

SER **72-520-199-1**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

ELECTRONIC INDICATOR

Fowler's electronic indicators are used for a variety of measuring solutions including lengths and runouts. A steel rack, large display for easy reading and direct inch to metric conversion make this a versatile tool for any shop. Matched with a fine adjust magnetic base which features an on/off holding switch, V-base for use on both flat and cylindrical surfaces, and a fine adjustment holding arm, this set is a perfect combination for endless applications.

- Carbide ball contact point for extended wear resistance
- 2 in. x $2^{11}/_{32}$ in. x $11^{3}/_{16}$ in. base dimensions
- Also mounts test indicators with ¼ in. post

Contents: (1) Indicator, (1) magnetic base, (1) instructions, (2) batteries and (1) case

SER **74-585-075-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DISC AND ROTOR BALL JOINT GAUGE

Fowler's disc and rotor/ball joint gauge makes inspection fast, easy and accurate.

- Checks ball joint wear and rotor runout
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Includes a shop hardened case

Contents: (1) Vice grip, (1) flex arm, (1) dial indicator, (1) case

SER **72-520-757-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

2-6 IN. CYLINDER BORE GAUGE SET

Fowler's Cylinder Bore Gauges have been built on the reputation for quality, fast and accurate method for checking bores. Originally design for engine rebore use, these bore gauges have since been developed into a universal, wide range, two-point internal measuring system suitable for many applications. An improved mechanical system increases its strength and wear resistance. All contact points are tungsten carbide. Robust, easy to use and suitable for most environments and applications. Set the gauge with a setting ring or gauge blocks by rotating the dial face to zero. During measurement, the gauge is inserted into the bore at an angle and then rocked slowly to enable a reading to be taken. A spring-loaded centralizing foot ensures that the gauge remains on center during measuring operation when the minimum reading gives the bore size.

- Carbide anvils for extended wear protection
- Self-centering foot assembly for repeatable, accurate measurements
- Insulated grip for easy handling and temperature isolation
- Covers a measuring range of 2 in. to 6 in.

SER **72-646-300-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Fowler

DIAL INDICATOR SET WITH FLEX ARM MAGNETIC BASE

This dial indicator and magnetic base set features a base with 85 lbs. of magnetic pull, a flex-style arm and a 1 in. travel dial indicator. The flex arm allows adjustment to practically any position. .001 in. graduation on a high contrast white dial makes setting and reading easy. The on/off switch makes adjusting and removing the base worry free. A V-style base also lets you mount this set on cylindrical surfaces for multiple applications.

- Flex arm magnetic base
- 1 in. Travel dial indicator
- .001 in. Graduations for high accuracy
- High contrast white dial with adjustable bezel for easy reading
- Magnetic base features on/off switch for easy placement and removal
- Case included

SER **72-641-300-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DIAL BORE GAUGE SET

Two of the most popular ranges in one convenient set. The self-centralizing measuring feet make measuring easy and fast. Once set, simply set the gauge into the bore, rock it in your part and see the reading. Carbide tipped measuring anvils add extended durability and high accuracy.

- Includes fitted case
- 9.5 in. measuring depth
- Measuring range of 1.4 in. – 6 in.
- .0005 in. Graduated dial indicator
- Carbide tipped anvils for extended wear
- Self-centralizing for fast and accurate measurements

SER **72-646-400-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

6 IN. BORE GAUGE SETTING MASTER

One of the most popular ranges in an easy to use set. The self-centralizing measuring foot makes measuring fast and easy. Once set, simply set the gauge into the bore, rock in in your part and see the reading. Carbide tipped measuring anvils add extended durability and high accuracy.

- Carbide tipped anvils for extended wear
- .0005 in. Graduated dial indicator
- Self-centralizing for fast and accurate measurements
- 9.5 in. Measuring depth
- Includes fitted case
- Measuring range of 0.7 in. – 1.5 in.

SER **73-646-000-1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

0 – 1 IN. DIAL INDICATOR

Fowler's dial indicators are used for a variety of measuring solutions including lengths and runouts. A steel rack and pinion, brass gears, jeweled movement and microfine graduations for easy reading, make this a versatile tool for any shop.

- Microfine graduations in black for continuous readings
- Supplied with lug back positioned through 90° increments
- Revolution counter hand
- Includes adjustable tolerance limit markers

SER **72-520-110-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

MINI MAG PROTRACTOR

The mini-MAG protractor provides instant 360° digital inclination display of any angle with the additional unique features of embedded magnets on both sides and the bottom which make it ideal for a variety of measurements.

- Embedded magnets with 3.5 lb. pull
- Uses standard 9V battery (250 hrs.)
- Measuring range features 4 x 90°
- Hold feature

SER **74-422-450-1**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

MINI-MAG II ELECTRONIC PROTRACTOR

Used for angle measurements, alignments, fabrication, setting cut angles, machine set-up and more, the mini-MAG II Protractor is a must have in any toolbox. With embedded magnets on three sides, it holds in place when you need it to. The backlit display allows you to use it in poorly lit areas without the need of additional lighting and automatically inverts when used upside down.

- 360° range (4 X 90)
- .05 degree resolution
- Backlit display for use in low light areas
- Uses a common 9V battery
- Display auto-inverts for easy reading

SER **74-422-460-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTO TREAD PLUS TIRE GAUGE

Fowler's Auto Tread PLUS tire gauge makes inspection of tire reads quick and easy. A spring-loaded measuring spindle with hold feature, gives fast, repeatable, accurate readings of tread depths in inch/metric/fractional increments.

- Reads in $^{1}/_{32}$ in. industry standard increments
- IP54 protected against fluid and dust
- Super-large LCD display, 14mm height

SER **74-225-505-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Multi-Applications

Fowler

DIGITAL TIRE TREAD GAUGE

The X-Tread Tire Gauge is essential in the inspection of tire wear. With its spring-loaded spindle and compact size, tread measurements are fast and easy. The measurement conversion function allows measurements in inch, millimeter or 64th's of an inch. Supplied with a vinyl holster for portability and ready-to-use availability.

- IN/MM/Fraction increments for easy, accurate conversions
- Spring loaded action for ease-of-use
- 1 in/25mm measuring range
- Lightweight and portable
- Floating zero function for comparative measurements

SER **74-225-500-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

ELECTRONIC BORE GAUGE

All the same benefits of the X-Tender Dial Bore Gauge available with an electronic indicator providing inch/metric reading capability. Preset the size of the master for absolute readings and use the minimum hold lock feature while measuring to hold the minimum reading in the display. Utilizing the zero function allows you to take fast, repetitive measurements without resetting the gauge. Once set, simply set the gauge into the bore, rock it in your part and see the reading.

- Carbide tipped anvils for extended wear
- .00005 in. resolution indicator
- Self-centralizing for fast and accurate measurements
- 9.5 in. Measuring depth
- Minimum size hold for quick, repeat measurements
- Direct inch to metric conversion
- Bar graph display for easy reversal point indication
- Included fitted case
- Measuring range of 1.4 in. – 6 in.

SER **74-646-401-0**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fowler

6 PC. TELESCOPING GAUGE SET

A great tool for easy and accurate measurements. Under spring tension, the plungers of the gauge expand from the center to the size of the hole being measured and are then locking in place using the knurled knob. Final hole size is obtained by measuring over the contacts with a micrometer or vernier caliper.

- Contact points are constructed of hardened tool steel, precision ground
- Double action rigid handle with self-centering feature for quick checking of inside measurements
- Constant spring tension for uniform feel
- Covers a measuring range of 5/16 in. to 6 in. with measurable depths of 4 in. to 5 in.

SER **72-470-006-0**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SELF-LOCKING SPEED MARK TAPE MEASURES

Features a nylon coated blade with fractional graduations to improve readability.

- Measurements on both sides of the blade.
- Easy to work push button retrieval
- Automatic Blade Lock
- Steel blade
- 1 inch width
- Carrying clip

Part No.	Description
CHT **TMSL16**	16 Ft.
CHT **TMSL25**	25 Ft.

CARLYLE TOOLS by NAPA

25 FT. ABS POWER BLADE II TAPE MEASURE

Features a wider high visibility blade with large easy to read numbers. Includes a dual end hook, ultra compact case.

- Measurements on both sides of the blade
- Contains floating tip and tape lock
- Steel blade
- 1 1/16 inch width
- Carrying clip

CHT **TMPB25HV**

CARLYLE TOOLS by NAPA

25 FT. SELF-LOCKING ABS POWER BLADE II TAPE MEASURE

Features a wider high visibility blade with large easy to read numbers. Includes a dual end hook, ultra compact case.

- Measurements on both sides of the blade
- Automatic Blade Lock
- Easy to work push button retrieval
- Contains floating tip and tape lock
- Steel Blade
- 1 1/16 inch width
- Carrying clip

CHT **TMSL25HV**

CARLYLE TOOLS by NAPA

25 FT. MAGNETIC ABS POWER BLADE II TAPE MEASURE

Features a wider high visibility blade with large easy to read numbers. Includes a magnetic end hook, ultra compact case.

- Contains floating tip and tape lock
- Steel Blade
- 1 1/16" width
- Carrying clip

CHT **TMPB25MT**

WARNING: Always wear eye and face protection.

CRESCENT Lufkin

SHOCKFORCE NITE EYE DUAL SIDED TAPE MEASURE

APX **L1116B**

- Diamond-coated end hook grabs material from every direction and prevents slippage
- Narrow blade technology offers reduced weight when carrying a tape all day on the job site
- Matte black nylon blade provides extended product life and improved legibility in varied light conditions

Item No.	Size
APX **L1116B**	13/16" x 16'
APX **L1125B**	13/16" x 25'

CRESCENT Lufkin

SHOCKFORCE DUAL SIDED TAPE MEASURE

APX **L1116**

- Diamond-coated end hook grabs material from every direction and prevents slippage
- Narrow blade technology offers reduced weight when carrying a tape all day on the job site
- Matte nylon blade provides extended product life and glare reduction

Item No.	Size
APX **L1116**	13/16" x 16'
APX **L1125**	13/16" x 25'

CRESCENT Lufkin

1 IN. X 25 FT. HI-VIZ™ ORANGE POWER RETURN MEASURING TAPE

- Lightweight, high strength, case fits comfortably in hand
- Hi-Viz™ orange case, easy to find on the job
- Unique slide lock design allows for easy control of tape blade
- Clear coat blade protection for more durable markings

APX **L625N**

Milwaukee

25 FT. COMPACT WIDE BLADE TAPE MEASURE

- Up to 15 ft. of reach
- Anti-tear coating reinforces the first 6 in. of tape blade
- Nylon blade protection reduces tape tear

Features

- Impact-resistant 5-point reinforced frame
- 2-Sided printing for easy reading
- Architectural scale
- Stamped steel belt clip
- Lanyard-ready for quick and easy tethering

Warranty: Limited lifetime warranty

MIL **48-22-0425**

DEWALT

1-1/8 IN. WIDE SHORT TAPES

- 10' of blade standout for increased user reach*
- 1/8" markings to speed up measuring jobs
- Duo-durometer blade-lock for durability and comfort
- Anti-rust polymer blade coating

Item No.	Size L x W	Standout	Blade Lock	Belt Clip	Weight
DEW **DWHT36105**	16' x 1 1/8"	10'	Yes	Yes	0.84 lbs

DEWALT

CLOSED CASE STEEL LONG TAPE

- 5:1 Gear ratio for 5x faster blade rewind†
- Blade release button for easy blade pull out
- Belt clip and spring loaded carabiner included for easy transportation
- Anti-rust polymer blade coating
- SAE and decimal ft. scale

Item No.	Size L x W	Belt Clip	Weight
DEW **DWHT34036**	100' x 3/8"	Yes	1.11 lbs

DEWALT

1-1/8 IN. WIDE SHORT TAPES

DEW **DWHT36107S**

- 13 ft. of reach* for increased versatility.
- Large, easy to read font.
- Patented plastic and rubber slide lock provides added protection from jobsite abuse.
- Wide base for improved stability during layout
- Durable blade coating withstands residential jobsite conditions.

Item No.	Size L x W	Standout	Blade Lock	Belt Clip	Weight
DEW **DWHT36107S**	25' x 1 1/8"	13'	Yes	Yes	1.10 lbs
DEW **DWHT36109S**	30' x 1 1/8"	13'	Yes	Yes	1.30 lbs

DEWALT

TOUGHSERIES™ 25 FT. TAPE MEASURE

- EXTENDED REACH: Measure up to 17 ft.* without assistance
- ULTRA-TOUGH HOUSING keeps the tape secure and able to survive drops up 100 ft.**
- EASILY CLINGS TO METAL: Removable magnet simplifies the measurement process
- MEASURE FROM ANY ANGLE with versatile, double-sided blade printing
- ADDED PROTECTION NEAR HOOK: 6 in. of Rip-Shield™ blade coating increases product life
- LONG-TERM USE: Durable blade coating ensures tool longevity
- SECURE GRIP AND OPTIMIZED CONTROL with contoured case design

Includes: (1) Tape Measure, (1) Removable Magnet

DEW **DWHT36925S**

WARNING: Always wear eye and face protection.

Multi-Applications

CRAFTSMAN

CHROME CLASSIC TAPE MEASURE

- 7 ft. of standout*
- Rubber over mold for added grip
- Durable blade coating to improve product life

CTM **CMHT37316S**

Item No.	Description
CTM **CMHT37316S**	1" x 16' Chrome Classic Tape Measure
CTM **CMHT37325S**	1" x 25' Chrome Classic Tape Measure
CTM **CMHT37335S**	1" x 35' Chrome Classic Tape Measure

CRAFTSMAN

1/2 IN. X 12 FT. SELF-LOCK TAPE MEASURE

CTM **CMHT37212S**

CRAFTSMAN

1-1/4 IN. X 25 FT. PRO-11 TAPE MEASURE

- PROUDLY MADE IN THE USA with Global Materials in New Britain, Connecticut
- 14 FT. OF REACH*: Allows for easier measurements when working alone
- QUICK AND EASY MEASUREMENTS: Extra-wide blade with large, easy-to-read numbers
- DURABILITY: Improved blade durability and hook protection for extended product life**

CTM **CMHT37565LW**

EVERCRAFT

4-IN-1 LASER MEASURING TOOL

4-in-1 Multifunction measuring tool that does it all – measures, levels and projects a laser line with 3 different patterns and is ideal where a straight line or accurate measurements are needed. Class IIIA laser product, less than 3.5mW power output and accuracy to +/-2mm at 10m and 25m. Not suitable for outdoor use and laser may need a simple adjustment to plumb level before first use.

- An extra set of 3 x AG13 button-cell batteries are included so you can buy with confidence
- Horizontal, vertical and 45° high-visibility bubble vials assure that your project is always level the first time
- Built-in 8 ft. (225cm) tape measure has both SAE and metric measurements and the base of the tool has a 6 in. (15cm) straight line ruler
- Projects a red vertical, horizontal and cross laser light beam that is ideal where a straight line or accurate measurements are needed
- Lockable and rust resistant

BK **774-0016**

EVERCRAFT

TAPE MEASURES

SAE

Positive locking control secures tape and prevents movement when measuring. Measures inches/feet and centimeters/meters. Tape features durable, specially-treated steel construction. Also includes convenient belt clip. Tape Width: 1".

BK **776-9004** 16' Tape Measure
BK **776-9005** 25' Tape Measure

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DELUXE FEELER GAUGE, 32 BLADES

Gauge measures clearances from 0.0015 to 0.035" (0.038 to 0.889mm). It also includes one 0.010" brass blade to use with electronic ignitions. Blade Lengths: 3 5/16" long, Blade Width: 1/2".

SER **161**

Inches	Millimeters	Inches	Millimeters
0.0015	0.038	0.015	0.381
0.002	0.051	0.016	0.406
0.0025	0.063	0.017	0.432
0.003	0.076	0.018	0.457
0.004	0.102	0.019	0.483
0.005	0.127	0.020	0.508
0.006	0.152	0.021	0.533
0.007	0.178	0.022	0.559
0.008	0.203	0.023	0.584
0.009	0.229	0.024	0.610
0.010	0.254	0.025	0.635
0.010 (Brass)	0.254	0.026	0.660
0.011	0.279	0.028	0.711
0.012	0.305	0.030	0.762
0.013	0.330	0.032	0.813
0.014	0.356	0.035	0.889

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

METRIC FEELER GAUGE, 25 BLADES

25-blade gauge measures clearances from 0.04 to 1mm. Blade Lengths: 3" long.

SER **2274**

Inches	Millimeters	Inches	Millimeters
.0016	0.04	.0177	0.45
.0019	0.05	.0197	0.50
.0024	0.06	.0217	0.55
.0028	0.07	.0236	0.60
.0032	0.08	.0256	0.65
.0035	0.09	.0276	0.70
.0039	0.10	.0295	0.75
.0059	0.15	.0315	0.80
.0079	0.20	.0335	0.85
.0098	0.25	.0354	0.90
.0118	0.30	.0374	0.95
.0138	0.35	.0394	1.00
.0158	0.40		

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

FEELER GAUGE, 15 BLADES

Gauge measures clearances 0.002 to 0.025" (0.051 to 0.635mm). Includes a 2 1/2" ruler and 15 blades. Blade Lengths: 3 5/16" long.

SER **162**

Inches	Millimeters	Inches	Millimeters
0.002	0.051	0.013	0.330
0.003	0.076	0.014	0.356
0.004	0.102	0.016	0.406
0.005	0.127	0.018	0.457
0.006	0.152	0.020	0.508
0.008	0.203	0.022	0.599
0.011	0.279	0.025	0.635
0.012	0.305		

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FEELER GAUGE, 7 BLADES

Ideal for ignition and general purpose measuring. Lengths: 3 1/4" long.

SER **173**

Inches	Millimeters	Inches	Millimeters
0.013	.3302	0.020	.508
0.015	.381	0.022	.5588
0.016	.4064	0.025	.635
0.017	.4318		

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

THICKNESS GAUGE, 32 BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability.

BK **776-9144**

Inches	Millimeters	Inches	Millimeters
0.0015	0.04	0.016	0.40
0.002	0.05	0.017	0.43
0.0025	0.06	0.018	0.45
0.003	0.08	0.019	0.48
0.004	0.10	0.020	0.50
0.005	0.13	0.021	0.53
0.006	0.15	0.022	0.55
0.007	0.18	0.023	0.58
0.008	0.20	0.024	0.60
0.009	0.23	0.025	0.63
0.010	0.25	0.026	0.65
0.011	0.28	0.028	0.70
0.012	0.30	0.030	0.75
0.013	0.33	0.032	0.80
0.014	0.35	0.035	0.88
0.015	0.38		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

THICKNESS GAUGE, 15 BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability.

BK **776-9148**

Inches	Millimeters	Inches	Millimeters
0.002	0.05	0.013	0.33
0.003	0.08	0.014	0.35
0.004	0.10	0.016	0.40
0.005	0.13	0.018	0.45
0.006	0.15	0.020	0.50
0.008	0.20	0.022	0.55
0.011	0.28	0.025	0.63
0.012	0.30		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MASTER VALVE LASH ADJUSTMENT SET

Set features color-coded double-end handle to differentiate between intake and exhaust. Includes 6" x 1/2" blades with 90° offset, 3" x 1/2" blades with 45° offset and 3" x 1/2" blades with 30° offset. Size range: .008" to .3".

SER **3079**

Inches	Millimeters	Inches	Millimeters
.00031	0.008	.00079	0.020
.00035	0.009	.00083	0.021
.00039	0.010	.00087	0.022
.00043	0.011	.00091	0.023
.00047	0.012	.00094	0.024
.00051	0.013	.00098	0.025
.00055	0.014	.00102	0.026
.00059	0.015	.00106	0.027
.00063	0.016	.00110	0.028
.00067	0.017	.00114	0.029
.00071	0.018	.00118	0.030
.00075	0.019		

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

INDEX

WARNING: Always wear eye and face protection.

Multi-Applications

CARLYLE TOOLS by NAPA

VALVE-TAPPET FEELER GAUGE, 26 BLADES

Gauge has a 1", 45° offset tip for easy access to hard-to-reach valve adjustments. Features a convenient double-handle design with chrome plating and includes combination SAE and metric sizes.

SER **170**

Inches	Millimeters	Inches	Millimeters
0.005	0.127	0.018	0.457
0.006	0.152	0.019	0.483
0.007	0.178	0.020	0.508
0.008	0.203	0.021	0.533
0.009	0.229	0.022	0.559
0.010	0.254	0.023	0.584
0.011	0.279	0.024	0.610
0.012	0.305	0.025	0.635
0.013	0.330	0.026	0.660
0.014	0.356	0.027	0.686
0.015	0.381	0.028	0.711
0.016	0.406	0.029	0.737
0.017	0.432	0.030	0.762

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

VALVE-TAPPET FEELER GAUGE, 11 BLADES

11-blade gauge measures valve tappet clearances from .008" to .026" and .203mm - .66mm. Offset blades provide easy access. Blade Lengths: 3¾" long.

SER **163**

Inches	Millimeters	Inches	Millimeters
0.008	0.203	0.016	0.406
0.010	0.254	0.018	0.457
0.012	0.305	0.019	0.483
0.013	0.330	0.020	0.508
0.014	0.356	0.026	0.660
0.015	0.381		

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

TAPPET GAUGE, 12 OFFSET TIP BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability.

BK **776-9147**

Inches	Millimeters	Inches	Millimeters
0.008	0.20	0.016	0.40
0.010	0.25	0.018	0.45
0.012	0.30	0.019	0.48
0.013	0.33	0.020	0.50
0.014	0.35	0.025	0.63
0.015	0.38	0.026	0.66

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

METRIC THICKNESS GAUGE, 25 STRAIGHT BLADES

Thickness gauge checks for accurate clearance on ignition points, valve lash, etc.

BK **776-9156**

Inches	Millimeters	Inches	Millimeters
.0016	0.04	.0177	0.45
.0019	0.05	.0197	0.50
.0024	0.06	.0217	0.55
.0028	0.07	.0236	0.60
.0032	0.08	.0256	0.65
.0035	0.09	.0276	0.70
.0039	0.10	.0295	0.75
.0059	0.15	.0315	0.80
.0079	0.20	.0335	0.85
.0098	0.25	.0354	0.90
.0118	0.30	.0374	0.95
.0138	0.35	.0394	1.00
.0158	0.40		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

SAE THICKNESS GAUGE, 26 STRAIGHT BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability. Convenient thumb wheel lock for solid stable measurements.

BK **776-9157**

Inches	Millimeters	Inches	Millimeters
0.0015	.0381	0.013	.330
0.002	.0508	0.014	.356
0.0025	.063	0.015	.381
0.003	.076	0.016	.406
0.004	.102	0.017	.432
0.005	.127	0.018	.457
0.006	.152	0.019	.483
0.007	.178	0.020	.508
0.008	.203	0.021	.533
0.009	.229	0.022	.559
0.010	.254	0.023	.584
0.011	.279	0.024	.610
0.012	.305	0.025	.635

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

EVERCRAFT

NON-MAGNETIC THICKNESS GAUGE, 6 BLADES

Six non-magnetic brass blades. Use to set or check clearance on ignition distributors.

BK **776-9155**

Inches	Millimeters	Inches	Millimeters
0.006	0.15	0.012	0.30
0.008	0.20	0.014	0.35
0.010	0.25	0.016	0.40

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MINI FEELER GAUGE, 16 BLADES

Miniature 16-blade feeler gauges are only 1/4" wide and measure clearances from 0.010 to 0.035" (0.254 to 0.889mm).
Blade Length: 3 3/4" long.

SER **2062**

Inches	Millimeters	Inches	Millimeters
0.010	0.254	0.022	0.559
0.012	0.305	0.024	0.610
0.015	0.381	0.025	0.635
0.016	0.406	0.026	0.660
0.017	0.432	0.028	0.711
0.018	0.457	0.030	0.762
0.019	0.483	0.032	0.813
0.020	0.508	0.035	0.889

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

MINI THICKNESS GAUGE, 17 BLADES

17 Blade design, mini thickness gauge has small folding design that measures 1 1/2" x 1/4"

BK **776-9154**

Inches	Millimeters	Inches	Millimeters
0.010	0.25	0.022	0.55
0.012	0.30	0.024	0.60
0.013	0.33	0.025	0.63
0.015	0.38	0.026	0.65
0.016	0.40	0.028	0.70
0.017	0.43	0.030	0.75
0.018	0.45	0.032	0.80
0.019	0.48	0.035	0.88
0.020	0.51		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

NON-MAGNETIC FEELER GAUGE, 6 BLADES

Six-blade gauge measures clearance in electronic ignition systems where non-magnetic blades are required. These hard brass blades will not magnetize. See chart for sizes.
Blade Length: 3 5/16" long.

SER **2223**

Inches	Millimeters	Inches	Millimeters
0.006	0.152	0.008	0.203
0.010	0.254	0.012	0.305
0.014	0.356	0.016	0.406

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

THICKNESS GAUGE, 22-3 IN. STEP GROUND BLADES

22 Blade design, step ground blades. Thickness measurements from .004" to .027".

BK **776-9153**

Inches	Inches	Inches
0.004/0.006	0.005/0.007	0.006/0.008
0.007/0.009	0.008/0.010	0.009/0.011
0.010/0.012	0.011/0.013	0.012/0.014
0.013/0.015	0.014/0.016	0.015/0.017
0.016/0.018	0.017/0.019	0.018/0.020
0.019/0.021	0.020/0.022	0.021/0.023
0.022/0.024	0.023/0.025	0.024/0.026
0.025/0.027		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

GO-NO-GO FEELER GAUGE, 22 BLADES

Gauge checks clearance measurements with a 0.002" range. Stepped blades quickly indicate if clearance fails within the specified range. Twenty-two etched blades cover the complete range of sizes from 0.004 to 0.027" (0.10 to 0.69mm). Blade Lengths: 3 5/16" long.

SER **2424**

Inches	Millimeters	Inches	Millimeters
.00024	0.006	.00067	0.017
.00028	0.007	.00071	0.018
.00031	0.008	.00075	0.019
.00035	0.009	.00079	0.020
.00039	0.010	.00083	0.021
.00043	0.011	.00087	0.022
.00047	0.012	.00091	0.023
.00051	0.013	.00094	0.024
.00055	0.014	.00098	0.025
.00059	0.015	.00102	0.026
.00063	0.016	.00106	0.027

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Multi-Applications

EVERCRAFT

COMBINATION TUNE UP THICKNESS GAUGE

Compact fan blade style combo tool designed for easy and accurate measurements. Includes built-in tools for tune-up assistance. Made from stainless steel for strength and durability. Convenient thumb wheel lock for solid stable measurements.

BK **776-9158**

Inches	Millimeters	Inches	Millimeters
12 Straight Blades:			
0.010	0.25	0.019	0.48
0.012	0.30	0.020	0.50
0.015	0.38	0.022	0.55
0.016	0.40	0.024	0.60
0.017	0.43	0.025	0.63
0.018	0.45	0.026	0.65
6 Straight Brass Blades:			
0.006	0.15	0.012	0.30
0.008	0.20	0.014	0.36
0.010	0.25	0.016	0.40

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

SPARK PLUG GAP GAUGE, 15 BLADES

Double-ended folding design features 9-blade thickness and 6-piece electrode adjusters with built-in 2" ruler.

BK **776-9146**

Inches	Millimeters	Inches	Millimeters
Thickness Sizes:			
0.002	0.05	0.010	0.25
0.003	0.08	0.015	0.38
0.004	0.10	0.020	0.50
0.006	0.15	0.025	0.63
0.008	0.20		
Spark Plug Sizes:			
0.020	0.50	0.030	0.75
0.025	0.63	0.035	0.88
0.028	0.70	0.040	1.00

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

SPARK PLUG GAP GAUGE

Double-ended folding design features 9-blade thickness and 6-piece electrode adjusters with built-in 2" ruler.

BK **776-9145**

Inches	Millimeters	Inches	Millimeters
0.015	0.380	0.028	0.700
0.018	0.450	0.030	0.750
0.020	0.500	0.035	0.880
0.025	0.630	0.040	1.000

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SPARK PLUG GAP GAUGE

Gauge measures spark plug electrode gaps on gap plugs from 0.040 to 0.080" (1.016 to 2.032mm). It includes two electrode adjusting tools.

SER **2327**

Inches	Millimeters	Inches	Millimeters
0.040	1.016	0.050	1.270
0.044	1.118	0.060	1.524
0.045	1.143	0.080	2.032

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SPARK PLUG GAP WIRE GAUGE

Gauge measures spark plug gaps from 0.025 to 0.045" (0.635 to 1.143mm). Double-ended tool is included for adjusting electrodes.

SER **166**

Inches	Millimeters	Inches	Millimeters
0.025	0.635	0.035	0.889
0.030	0.762	0.040	1.016
0.034	0.864	0.045	1.143

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CRAFTSMAN

WIRE SPARK PLUG GAUGE

- Quick & Easy Tune Ups
- Easy Adjustment: Gently open or close gaps
- Accurate: With 6 leaf measurements

CTM **CMMT14102**

EVERCRAFT

ROUND SPARK PLUG GAP GAUGE

Tool features spark plug electrode adjuster and six wire loop style spark plug gap measurements.

BK **776-9149**

Inches	Millimeters	Inches	Millimeters
0.025	0.640	0.035	0.890
0.030	0.760	0.040	1.020
0.034	0.860	0.045	1.140

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

ROUND SPARK PLUG GAP GAUGE

Tool features spark plug electrode adjuster and six wire loop style spark plug gap measurements.

BK **776-9150**

Inches	Millimeters	Inches	Millimeters
0.040	1.020	0.050	1.270
0.044	1.120	0.060	1.52
0.045	1.140	0.080	2.030

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

SPARK PLUG GAP GAUGE

Circular coin-type ramp gauge easily measures spark plug gaps from 0.020 to 0.100" (0.508 to 2.54mm).

SER **3293**

EVERCRAFT

SPARK PLUG GAP GAUGE

Tool features spark plug electrode adjuster and circular spark plug gap measurements. Gap Range: .020" to .100"(0.5 to 2.54mm)

BK **776-9237**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SPARK PLUG GAP WIRE GAUGE

Gauge measures spark plug gaps from 0.020 to 0.040" (0.508 to 1.016mm). Double-ended tool is included for adjusting electrodes.

SER **165**

Inches	Millimeters	Inches	Millimeters
0.020	0.508	0.032	0.813
0.025	0.635	0.034	0.864
0.028	0.711	0.035	0.889
0.030	0.762	0.040	1.016

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SPARK PLUG GAP & FEELER GAUGE SET

Use to set and measure spark plug gaps and other ignition clearances from 0.010 to 0.045" (0.254 to 1.143mm). Six wire gauges check spark plug gaps and 12 straight blades check other clearances. It includes a double-ended electrode tool for easy adjustments. Blade Lengths: 3" long.

SER **164**

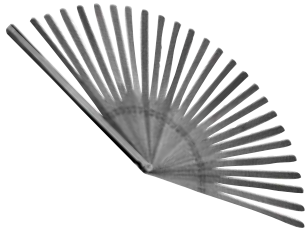
Inches	Millimeters
Wire Gauge	
0.025	0.635
0.030	0.762
0.034	0.864
0.035	0.889
0.040	1.016
0.045	1.143

Inches	Millimeters
12-Blades	
0.010	0.254
0.012	0.305
0.015	0.381
0.016	0.406
0.017	0.432
0.018	0.457
0.019	0.483
0.020	0.508
0.022	0.559
0.024	0.610
0.025	0.635
0.026	0.660

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

EXTRA LONG FEELER GAUGE, 25 BLADES



Double stamped, 25-blade feeler gauge features US and metric sizes. Long blades can be bent to user's needs. Blade size: ½" W. x 12" L. Measures .0015" to .040".

SER **12025**

Inches	Millimeters	Inches	Millimeters
.0015	.038	.014	.356
.002	.051	.015	.381
.003	.076	.016	.406
.004	.102	.017	.432
.005	.127	.018	.457
.006	.152	.019	.483
.007	.178	.020	.508
.008	.203	.021	.533
.009	.229	.025	.635
.010	.254	.027	.686
.011	.279	.030	.762
.012	.305	.040	1.02
.013	.330		

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ADJUSTABLE OIL FILTER WRENCH

Swivel grip oil/fuel filter wrench. For smaller oil filters. Also fits some fuel filters. Tough stainless steel band with special teeth for extra gripping power won't slip. Special narrow 1/2" band fits in tight spots. Vinyl covered handle swivels to clear obstructions and makes it easy to turn in hard to reach locations. Size Range: 2⅜" – 2⅝".

SER **54400**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SWIVEL GRIP® ADJUSTABLE OIL FILTER WRENCH

Standard swivel grip oil filter wrench. Handle swivels to clear obstacles. Features the swivel handle, gripper teeth and 1" wide stainless steel band. Vinyl covered handle. Size Range: 3½" – 3⅞".

SER **53500**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Oil Service

SWIVEL GRIP® ADJUSTABLE OIL FILTER WRENCH

Large swivel grip oil filter wrench. Handle swivels to clear obstructions. Features the swivel handle, gripper teeth and 1" wide stainless steel band. Vinyl covered handle. Size Range: 4 1/8" – 4 1/2".

SER **53250**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL GRIP® ADJUSTABLE OIL FILTER WRENCH

Swivel grip oil filter wrench for Caterpillar engines. Swivel grip handle makes it easy to turn in tight spots. Tough stainless steel bands with special teeth for extra gripping power. Handles made of tubular steel for increased strength. Size Range: 5 1/4" – 5 3/4".

SER **54300**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL GRIP® ADJUSTABLE OIL FILTER WRENCH

Small swivel grip oil filter wrench. Handle swivels to clear obstructions. Features swivel handle, gripper teeth and 1" wide stainless steel band. Vinyl covered handle. Size Range: 2 7/8" – 3 1/4".

SER **53700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL GRIP® ADJUSTABLE OIL FILTER WRENCH

Oil filter wrench for Cummins and Detroit Diesel engines. For truck sized filters. Swivel grip handle makes it easy to turn in tight spots. Tough, stainless steel band with special teeth for extra gripping power won't slip. Handles made of tubular steel for increased strength. Size Range: 4 5/16" – 4 3/4".

SER **54200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL GRIP® ADJUSTABLE OIL FILTER WRENCH

Tough, stainless steel band with special teeth for extra gripping power. Handle is made of tubular steel for added strength. Heavy duty swivel grip oil filter wrench for most John Deere tractors. Also works on some Case, Case/IHC, Allis Chalmers tractors and other farm implement products. Swivel grip handle makes it easy to turn in tight spots. Size Range: 4 3/4" – 5 3/8".

SER **53200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL GRIPPER ADJUSTABLE OIL FILTER WRENCHES

Patent pending coating process adds many additional gripping points to securely grab the filter. Specially designed tab keeps grip from sliding off the handle. Handle swivels more than 180° with adjustable tension. Tension adjusting nut allows swivel pressure to be regulated - no more floppy filter wrenches. Swivel gripper - no slip filter large wrench. Fits most tractors and other farm implement products. Tough, stainless steel band with permanently bonded textured coating for superior gripping power won't slip. Swivel handle makes it easy to turn in tight spots.

Item No.	Size Range
SER **57010**	2 3/8" – 2 5/8"
SER **57020**	2 7/8" – 3 1/4"
SER **57030**	3 1/2" – 3 7/8"
SER **57040**	4 1/8" – 4 1/2"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL OIL FILTER WRENCHES

Designed for the professional installer, these comfort-grip wrenches make getting to hard-to-reach areas a snap. Swivel tension is easily adjusted with the nut and bolt on the handle and will not crush the filter.

SER **77-3324**

Item No.	Description
SER **77-3324**	Filter Size: 2 1/2"-3" dia.
SER **77-3083**	Filter Size: 2 7/8"-3 1/4" dia.
SER **77-3082**	Filter Size: 3 1/2"-3 7/8" dia.
SER **77-3527**	Filter Size: 3 7/8"-4 3/8" dia.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OIL FILTER WRENCH

A comfort grip handle allows the user to pivot for access in those hard-to-reach filters. Swivel tension adjusts easily on the handle. Unique yoke and link assembly provides firm grip without crushing filter. Dimpled for extra gripping power.

CTM **CMMT14119**

Item No.	Description
CTM **CMMT14119**	2 1/4" - 2 5/8" Oil Filter Wrench
CTM **CMMT14120**	2 7/8" - 3 1/4" Oil Filter Wrench
CTM **CMMT14121**	3 1/2" - 3 7/8" Oil Filter Wrench

SWIVEL OIL FILTER WRENCHES

Even hard-to-reach filters are easily removed with this tool. Studded band provides improved grip and plastic-dipped handle will not slide off during use. High-quality, blackened steel construction is rust and corrosion resistant.

BK **776-9019**

Item No.	Description
BK **776-9019**	Filter Size: 2 7/8"-3 1/4" dia.
BK **776-9020**	Filter Size: 3 1/4"-3 3/4" dia.
BK **776-9127**	Filter Size: 3 1/2"-3 7/8" dia.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

UNIVERSAL FUEL & OIL FILTER WRENCHES

High-grade steel construction with comfort-grip for increased torque. Band will not crush filter.

SER **77-0192**

Item No.	Description
SER **77-0192**	Filter Size: 2 1/4"-2 9/16" dia.
SER **77-2159**	Filter Size: 2 51/64"-3 7/64" dia.
SER **77-0191**	Filter Size: 3 1/16"-3 7/16" dia.
SER **77-0190**	Filter Size: 3 7/16"-3 3/4" dia.
SER **77-2010**	Filter Size: 4"-4 3/8" dia.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ADJUSTABLE OIL FILTER WRENCH

Positive grip will not puncture or crush filter and allows for greater torque. Filter Size: 3 1/16"-3 3/4" dia.

SER **77-2394**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ADJUSTABLE OIL FILTER WRENCH

Three-position, comfort-grip wrench is nearly universal! Filter Size: 2 3/4" - 3 3/4" dia.

SER **77-2187**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SLIP-JOINT OIL FILTER WRENCH PLIERS

Ratchet and locking mechanism allow multiple settings for a sure fit, eliminating slippage. Jaws are grooved for a better grip on filter. Forged steel for superior strength with comfort-grip handle. Filter Size: 2"-5" dia.

SER **77-3508**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FIXED-JOINT OIL FILTER WRENCH PLIERS

Comfort-grip, dual-handle design allows superior leverage when removing stubborn filters. Forged steel for superior strength.

Item No.	Description
SER **77-3369**	Filter Size: 2 3/4"-3 1/8" dia.
SER **77-3368**	Filter Size: 2 15/16"-3 5/8" dia.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SER **77-3369**

EVERCRAFT™

OIL FILTER WRENCH

Spring-loaded jaws adjust to fit filter sizes from 2 3/4 to 4 1/4 inches (70-108mm) in diameter. Removes filters without flutes.

BK **776-9016**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

ADJUSTABLE OIL FILTER WRENCH

Adjustable oil filter wrench for trucks and tractors. Fits John Deere, Case, Caterpillar, Mack, Detroit Diesel and others. Tough, stainless steel band with special teeth for extra gripping power. Size Range: 4 3/8" – 5 5/8". Square Drive Size: 1/2".

SER **53100**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3/8 IN. DR. OIL FILTER WRENCHES

Band will not crush filter. Position action grip provides extra leverage. Can be used in place of Universal Filter Wrench (*SER* **77-0190**).

SER **77-2380** Filter Size: 2 13/16"-3 1/16" dia.
SER **77-2029** Filter Size: 3 7/16"-3 3/4" dia.

SER **77-2380**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HEAVY-DUTY 1/2 IN. DR. OIL FILTER WRENCHES

Designed to satisfy high-torque truck filter requirements. Three-inch bands provide increased strength and gripping area.

Item No.	Description
SER **77-2320**	Filter Size: 4 1/8"-4 21/32" dia.
SER **77-2321**	Filter Size: 4 21/32"-5 5/32" dia.
SER **77-2322**	Filter Size: 5 5/32"-5 21/32" dia.

SER **77-2320**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

IMPORT CAR ADJUSTABLE OIL FILTER WRENCH

Extra large range enables the wrench to fit most import car filters plus the common 3" domestic car filters. Steel jaws grip filter without slipping. Works in tight spots from the front on the filter using 3/8" drive. Size Range: 2 1/2" – 3 1/8".

SER **63600**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Oil Service

WIDE RANGE OIL FILTER WRENCH

The large range enables this wrench to fit most standard sized filters. Steel jaws grip filter without slipping. Works great in tight spots since it works from the top of the filter. Size Range: 3 1/8"– 3 7/8".

SER **63250**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COMPOSITE END CAP OIL FILTER WRENCHES & SET

Item No.	Description	*SER* **77-3865** 5 Pc. Set
SER **77-3860**	65/67mm, 14-Flute	•
SER **77-3861**	74/76mm, 15-Flute	•
SER **77-3862**	76mm, 14-Flute	•
SER **77-3864**	76/80/93mm, 36-Flute	•
SER **77-3863**	93mm, 15-Flute	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OIL FILTER CARTRIDGE SET

Fits today's oil filter cartridge-style filter applications. Short socket style allows for proper clearance when removing the filter element.

- 3/8" Dr. Sizes included: 24, 27, 29, 32, 35/36 mm, 38mm

SER **6786**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OIL FILTER WRENCH END CAPS

This six-piece service kit includes: 24mm, 27mm, 29mm, 32mm, 36mm and 38mm oil filter caps. Drive: 3/8".

SER **41890**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SER **3932** *SER* **3933** *SER* **3934** *SER* **41830**

OIL FILTER END CAP WRENCHES

Designed to fit on end of oil filter for working in tight spaces. Use with 3/8" square head.

Item No.	Description	*SER* **41830 3 Pc. Set**
SER **3932**	32mm Oil Filter Cap Wrench	•
SER **3933**	27mm Oil Filter Cap Wrench	•
SER **3934**	36mm Oil Filter Cap Wrench	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

65MM 14 FLUTE TOYOTA CAP FILTER WRENCH

The new heavy duty design for the 65mm diameter 14 flutes oil filter canisters has been improved by adding heat-treated metal disc to the drive area and adding two solid welds to the surface to increase strength.

SER **61664**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TOYOTA CAP FILTER WRENCH

Steel construction. Cap filter wrench features 14 oil filter flutes. Hex wrench size: 64 - 65mm.

SER **77-3150**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

END CAP OIL FILTER WRENCHES

SER **77-3866**

Item No.	Description
SER **77-3866**	GM 74mm, 15-Flute
SER **77-3868**	Hyundai/Kia 88.4mm, 15-Flute
SER **77-3867**	Mazda/Toyota 75.6mm, 14-Flute
SER **77-3869**	Subaru 66.5mm, 14-Flute

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

EVERCRAFT

END CAP OIL FILTER WRENCHES

High-impact, reinforced-plastic construction with a metal drive plate for strength. Unique packaging allows filter size check prior to purchase.

BK **776-9006**

Item No.	Description	Item No.	Description
BK **776-9010**	65-67mm, 14-Flute	*BK* **776-9015**	93mm, 36-Flute
BK **776-9006**	74-76mm, 15-Flute	*BK* **776-9123**	68mm, 14-Flute
BK **776-9007**	76mm, 14-Flute	*BK* **776-9124**	74mm, 15-Flute
BK **776-9012**	80mm, 15-Flute	*BK* **776-9125**	90mm, 15-Flute
BK **776-9014**	82mm, 15-Flute	*BK* **776-9126**	73mm, 14-Flute
BK **776-9008**	93mm, 15-Flute		

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3 IN. END CAP OIL FILTER WRENCH

Specially-designed wrench removes and installs oil filters in hard-to-reach areas. For use with 3/8" square drive tools or one-inch wrenches. Fits various flute designs found on AC/Delco, Fram, Gard, Motorcraft, NAPA, Sears, STP, Volkswagen, Wix, and more. Zinc-plated steel for rust resistance. Fits Filter Size: 3" dia., 15-Flute.

CAUTION: Do not use with power tools.

SER **77-2790**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3-3/4 IN. END CAP OIL FILTER WRENCH

Removes and installs filter. Designed for use with 3/8-inch square drive tools or one-inch wrenches. Zinc-plated for rust resistance. Fits Filter Size: 3 3/4" dia., 15-Flute.

SER **77-2991**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3-1/4 IN. END CAP OIL FILTER WRENCH

Removes and installs filters in hard-to-reach areas. Designed for use with 3/8" square drive tools or one-inch wrenches. Durable, zinc-plated steel construction for rust resistance. Fits Filter Size: 3 1/4" dia., 15-Flute.

SER **77-3298**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TOYOTA/LEXUS OIL FILTER WRENCHES

Removes plastic housing cap without damage. Square drive size: 3/8".

SER **77-3151** 4 Cylinder Canister Type
SER **77-3152** 6/8 Cylinder Canister Type

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

OIL FILTER WRENCH

Super strong flute end cap oil filter wrench allows for easy removal on all 65mm 14 flute Toyota and Lexus cartridge oil filters.

- Provides multiple contact points that engage the housing cap securely
- Bright chrome-plated finish
- 3/8" Drive

SER **61040**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

OIL FILTER DRAIN TOOL

Drains canister before filter removal. Works on 4, 6, and 8 cylinder Toyota and Lexus models.

SER **77-3153**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3/8 IN. DR. OIL FILTER WRENCH KIT

Removes plastic housing cap without damage on 4/6/8 cylinder canister type filter. Kit contains filter wrenches *SER* **77-3151** and *SER* **77-3152** and drain tool *SER* **77-3153**.

SER **77-3154**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3-JAW OIL FILTER WRENCH

Three jaw filter wrench with removable adapter provides lower clearance in tight spots. Heat-treated arms with specially designed gripping jaws grab even the most stubborn filters

- Fits 61 – 124mm oil filters
- Square drive
- 3/8"; 1/2" drive sizes
- 21mm Hex wrench size

SER **63830**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

3-JAW OIL FILTER WRENCH

Three jaw filter wrench with removable adapter provides lower clearance in tight spots. Heat-treated arms with specially designed gripping jaws grab even the most stubborn filters.

- Fits oil filter sizes of 58mm – 110mm
- Square drive
- 3/8"; 1/2" Drive size
- 21mm Hex wrench size
- Steel

SER **63850**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Oil Service

THREE-JAW 3/8 IN. DR. OIL FILTER WRENCH
Three-Jaws lock onto flutes for positive grip. Removes all passenger car and light truck spin-on type filters. Fits Filter Size: 2 1/2"-3 3/4" dia.

SER **77-3288**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

THREE-STYLE 3/8 IN. DR. OIL FILTER WRENCH
Removes all passenger car and light truck spin-on type filters. Fits Filter Size: 2 1/2"-3 7/8" dia.

BK **776-9018**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NYLON STRAP WRENCH
Carlyle nylon strap wrench is perfect for removing and tightening items like oil filters. It can be used on plastic or metal pipes and fittings, filters, shafts and irregular shapes.

- Easily replaceable strap with removable rivets
- Aluminum I-beam handle for increased strength
- Non-marring nylon belt prevents scratching and damage to finished surfaces
- 8 in. maximum diameter
- 18 in. oil filter wrench size

SER **77-3441**

MULTI-PURPOSE HEAVY-DUTY STRAP WRENCH
Limitless uses! Lightweight wrench is especially useful on small engine pulleys. Nylon strap will not harm surfaces on shafts, pulleys, or other components. Special head design self-tightens strap as force is applied. Strap Length: 53". Handle Length: 12".

SER **77-3440**

HEAVY-DUTY 3/8 & 1/2 IN. DR. OIL FILTER STRAP WRENCH
Ideal for use on trucks and tractors with high-torque requirements. Can handle filters up to nine inches in diameter. High-strength, oil-resistant nylon strap with forged steel handle. Chrome-plated, 3/8 and 1/2-inch drive engagement. Filter Size: 5/8" to 4 3/4" dia.

SER **77-3529**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/2 IN. OIL FILTER STRAP WRENCH
Ideal for use on trucks and tractors with high-torque requirements. Can handle filters up to six inches in diameter. High-strength, oil-resistant nylon construction with forged-steel, chrome-plated handle.

SER **77-3149**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/2 IN. DR. OIL FILTER STRAP WRENCH
Tough, durable nylon strap for use on oil filters up to six inches (152mm) in diameter.

BK **776-9017**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNIVERSAL 3/8 IN. DR. OIL FILTER STRAP WRENCH
Universal filter wrench can remove nearly any spin-on filter up to six inches in diameter. Tough nylon strap holds firmly—the more leverage applied, the tighter it grips.

BK **700-2469**

1/2 IN. DR. OIL FILTER CHAIN WRENCH
Wrap this tool around items of any shape to effectively apply torque. Fits 5/8" to 4 3/4" diameter filters and turns with 1/2" square drive tools.

SER **77-2595**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FILTER REMOVAL CUP
Filter removal cup prevents messy, dangerous fluid spills during fuel and oil filter replacement. The pliable cup provides protection from heat and splashes associated with oil filter removal while keeping the shop floor clean.

- Keeps hands and arms clean plus helps prevent injury caused by hot fluids
- Pliable, non-slip material conforms for secure grip including within small, oddly shaped places
- Great for storing loose nuts, bolts, screws, drain plugs and other items during service
- Safely holds oils, fuel (gasoline, diesel, biofuels), brake fluid, anti-freeze and other hazardous fluids
- 6" x 6" x 6" volume is sufficient to hold typical sized filters commonly used on cars, SUVs, light duty trucks and vans

SER **FC5**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

CHT **BSODP14**

3/8 IN. DR. OIL DRAIN PLUG SOCKETS & SET

The Carlyle oil drain plug sockets is a perfect addition to your arsenal of tools. Quickly and easily service newer style drain plugs.

Item No.	Description	*CHT* **BSODP14** 14 Pc. Set w/Rail
CHT **S38HDP8M**	Hex 8mm; For: BMW, Ford and GM	•
CHT **S38HDP9M**	Hex 9mm; For: GM	•
CHT **S38HDP10M**	Hex 10mm; For: Ford	•
CHT **S38HDP12M**	Hex 12mm; For: Fiat, Lancer and Mercedes	•
CHT **S38HDP14M**	Hex 14mm; For: Lancer and Mercedes	•
CHT **S38HDP17M**	Hex 17mm; For: Audi, VW, BMW and Austin	•
CHT **S38SQDP10**	Square 5/16	•
CHT **S38SQDP12**	Square 3/8; For: Honda, Mazda, Renault, Saab and Volvo	•
CHT **S38SQDP7M**	Square 7mm	•
CHT **S38SQDP8M**	Square 8mm; For: Citerön, Peugeot, Renault, Talbot and Volvo	•
CHT **S38SQDP11M**	Square 11mm; For: Ford	•
CHT **S38SQDP13M**	Square 13mm; For: Nissan and Subaru	•
CHT **S38FSQDP10M**	Female Square 10mm; Used on different gearboxes. For: BMW, Ford, Renault and Toyota	•
CHT **S38MTDP10M**	Male Triangle 10mm; For: Renault	•

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

3/8 IN. DR. DRAIN PLUG SOCKET

For transmission drain and fill plugs on Volkswagen and other German vehicles. Male 17mm hex body socket. Heat-treated and zinc-plated alloy steel.
Note: Not for impact use.

BK **776-8047**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

3/8 IN. DR. DRAIN PLUG SOCKET

Fits tamper proof transaxle drain plug on VW vehicles.
Note: Not for impact use.

BK **776-8053**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MAGNETIC DRAIN PLUG TOOL

Magnetic flex shaft drain plug removal tool removes the oil drain plug without touching the plug or hot oil.

- Prevent screw plug from dropping into oil

SER **MFODPRT**

GEARWRENCH

7 PC. MAGNETIC OIL DRAIN PLUG SOCKET SET

- Oil drain plug sockets have magnetic core
- Knurled speed ring provides quick removal and installation
- Anodized color-coded aluminum
- Fits most domestic and import vehicles

APX **3870**

Contents

Item No.	Description	Item No.	Description
APX **3872**	13mm	*APX* **3876**	17mm
APX **3873**	14mm	*APX* **3877**	19mm
APX **3874**	15mm	*APX* **235080GR**	3/8" GearRatchet Handle
APX **3875**	16mm		

CARLYLE TOOLS by NAPA

OIL DRAIN PLUG REPAIR KIT

- Designed to be used with the original oil pan plug instead of an aftermarket version.
- Designed to repair aluminum oil pans with damaged drain plug threads.
- Makes repair of aluminum oil pans easy and allows user to keep their current drain plug.

SER **38400**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

OIL FILTER PLUG

Oil filter plug for Cummins is used when changing oil on 2013-17 Dodge Ram Cummins 2500/3500 heavy-duty trucks. It threads into the filter for a secure seal so the filter can be removed from the tight space without spilling oil.

- T-handle makes removal and installation easier
- Tool allows technician to pre-lube the filter before installation

SER **57180**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

4 PC. OIL PAN PLUG REMOVER

Contains tool and adapters to remove plastic oil pan drain plugs found on many late model Ford/Lincoln, Volkswagen, Audi and BMW vehicles.

- Adapters will not damage drain plugs
- Designed to slot in and easily release plugs

SER **38200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Oil Service, Steering & Suspension

UNIVERSAL NO-SPILL OIL FUNNEL SET

No spill coolant filling funnel kit provides a quick and easy way to fill automotive cooling systems while preventing spills and trapped air. Our kit is the best made, most innovative one on the market today.

- For the money, this is the best kit on the market
- The funnel incorporates a fluid stopper with vent to prevent excessive cooling system pressure build-up while filling
- Adapters and extensions are included to fit radiators or surge tanks on most domestic and import cars and light trucks

Contents: (8) Adapters and (1) Coolant Funnel

Contents

Qty.	Item No.	Applications
1	*CHT* **NSFCDJ**	Chrysler, Dodge and Jeep
1	*CHT* **NSFFLM**	Ford, Mazda and Mercury
1	*CHT* **NSFGMBMW**	GM and BMW
1	*CHT* **NSFHAN**	Honda, Acura and Nissan
1	*CHT* **NSFTVWM**	Toyota, Lexus, VW and Mercedes
1	—	Subaru Adapter
1	—	Toyota/Lexus Adapter
1	—	150° Extended Adapter

CHT **NSFUNIV**

⚠ **WARNING: (*CHT* NSFCDJ, *CHT* NSFFLM, *CHT* NSFHAN, *CHT* NSFTVWM, *CHT* NSFUNIV) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NO-SPILL OIL FUNNELS

Eliminate oil spills while refilling oil with the No-Spill Oil Funnel Line. Equipped with a wide-flow passage, the No-Spill funnel is threaded to specific car makes stabilizing the oil funnel for optimized refilling.

- Transparent lower chamber to monitor oil flow
- See manual for full listing of threaded fits
- Funnel screws directly into filler neck
- 9.64 in L x. 5.2 in. W x 5.2 in. H
- 20 Oz. fluid capacity

CHT **NSFCDJ**

Item No.	Fits
CHT **NSFCDJ**	Chrysler, Dodge and Jeep
CHT **NSFFLM**	Ford, Mazda and Mercury
CHT **NSFGMBMW**	GM and BMW
CHT **NSFHAN**	Honda, Acura and Nissan
CHT **NSFSUB**	Subaru
CHT **NSFTVWM**	Toyota, Lexus, VW and Mercedes
CHT **NSFFIAT**	Fiat

⚠ **WARNING: (*CHT* NSFCDJ, *CHT* NSFFLM, *CHT* NSFHAN, *CHT* NSFSUB, *CHT* NSFTVWM and *CHT* NSFFIAT) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FAST CLAMP UNIVERSAL OIL FUNNEL

The Fast-Clamp Universal Oil Funnel automatically adjusts to filler necks, so you don't have to hold the funnel steady during the refilling process. The Fast-Clamp can also be used to steady standard funnels.

- Transparent lower chamber to monitor oil flow
- Funnel automatically adjusts to filler neck
- See manual for full listing of threaded fits
- 9.64 in L x. 5.2 in. W x 5.2 in. H
- 20 Oz. fluid capacity

CHT **NSFUNIVFC**

RIGHT ANGLE FUNNEL

Tall, translucent funnel with a 6¾" offset from center of mouth to center of spout is useful for adding brake fluid to master cylinders on mini-vans, adding gear lube to differentials, filling the DEF reservoir on GM Duramax diesels as well as other applications.

- Funnel mouth is 3.5" in diameter
- Funnel spout is .7" outside diameter

SER **17232**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

STEERING WHEEL PULLER KIT

Need to remove a steering wheel? This kit has what it takes for most domestic and import cars with or without telescoping tilt columns. Use the puller legs with the steering wheel puller to remove steering wheels on late model GM vehicles. Steering wheel lock-plate depressor also included.

SER **41620**

Contents

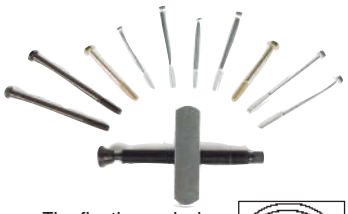
Item No.	Description
SER **2291**	Steering wheel puller yoke and screw extension bushing for most US and imported cars. Special bolts for use on GM vehicles with SIR units to avoid damaging electrical components. Also for crankshaft pulley on Chrysler 2.2 and 2.5 L engines.
SER **3906**	Pivot pin
SER **41623**	Lock plate remover tool
SER **41624**	Lock plate yoke
SER **41625**	Lock plate remover collars and nut washer

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

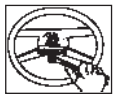
WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

CRANKSHAFT PULLEY/STEERING WHEEL PULLER



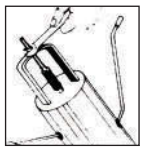
Puller removes crankshaft pulleys on Chrysler 2.2 and 2.5-L engines and pulls steering wheels on most US and import cars. The floating swivel on the center screw prevents damage to the steering column. Five sets of side bolts include 3/8"-16" UNC, 5/16"-18" UNC, 5/16"-24" UNF and 8mm x 1.25mm.



SER **2291**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



STEERING WHEEL LOCK-PLATE REMOVER/INSTALLER

Features a redesigned puller yoke to fit late model GM cars with (S.I.R.) air bags. (1992 to present). Works on older GM, Chrysler and AMC vehicles previously serviced by the *SER* **2414**. Narrower yoke prevents damage to the lock plate. Separate SAE (black) and Metric (zinc) threaded collars screw to the center steering column. Center screw uses a 3/8" wrench flats to turn collars onto center column. Hex screw supplied will lock down telescoping steering columns while removing lock plate. Hex screw can be stored on side of puller yoke. Zinc and black oxide for corrosion resistance.

CAUTION: Always consult dealership service manual prior to servicing vehicles with air bags.

Item No.	Description
SER **3509**	Steering Wheel Lock-Plate Remover/Installer
SER **3509-71**	Replacement Yoke
SER **3509-72**	Replacement Center Screw

EVERCRAFT

STEERING WHEEL LOCK PLATE TOOL

A must for servicing turn signals, ignition switches and steering locks built into steering column. Includes SAE and metric center-screw adapter.

CAUTION: For intended use only - relieve system pressure before using.

BK **776-9063**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

STEERING WHEEL PULLER

Zinc-plated puller can be used on most U.S. and imported car and truck steering wheels. Includes two sets of bolts.

BK **776-9064**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

STEERING PIVOT-PIN REMOVER

Pivot-pin remover makes servicing tilt and telescoping steering columns a snap! For use on 1969-current Chrysler, Ford and GM vehicles with Saginaw steering columns.

BK **700-2235**

EVERCRAFT

GM POWER STEERING PUMP PULLEY REMOVER/INSTALLER

Removes and installs GM power steering pump pulleys. Tool exerts force only through the shaft to prevent damage to the pump and pulley.

BK **776-9253**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

GM AIR BAG RELEASE TOOL

Easily releases retention springs on Supplemental Inflatable Restraint (SIR) module. Unlike other release products, this tool is heat-treated to resist bending on truck retention springs. Tapered tips for easier removal. For use on GM cars, light trucks and minivans.

SER **77-4010**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

POWER STEERING PUMP PULLEY SERVICE KIT

Designed to remove and install press-on-type, belt-driven pulleys. Includes components for 3/8"-16 threaded shaft. Can be used with either hand tools or impact gun. Packaged in heavy-duty blow molded case for durability.

SER **5238**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

POWER STEERING PUMP/ALTERNATOR PULLEY PULLER

Drop forged, heat-treated, steel construction, removes pulleys on Chrysler, Ford, GM and VW. Fits pulleys with hub diameters of: 1 1/8", 1 1/4", 1 5/16" and 1 3/8". Split collet design for improved grip and damage free removal.

Instructions:

1. Position the forcing screw against the shaft.
2. Determine which end of the double-ended jaws will correctly fit the hub diameter
3. Position the jaw to grip the flange of the pulley
4. Slide the retainer ring over the jaws.
5. Remove the pulley by turning the force screw.

BK **776-9251**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

EVERCRAFT

FORD POWER STEERING PUMP PULLEY INSTALLER

Installs pulleys without damage to the pump by exerting force only on the shaft. For use on most Ford power steering pump pulleys.

Instructions:

1. Place pulley over center screw
2. Turn center screw into threads in pulley shaft
3. Turn drive nut to press pulley onto shaft.
4. Remove center screw from pulley shaft.

BK **776-9252**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

POWER STEERING HOSE REPAIR KIT

S.U.R.& R.'s power steering hose repair kit allows you to repair failed collar crimps, pinholes and rub through for hundreds of applications. Have the right hose every time when you need it. Use for power steering lines, clutch, industrial and heavy-duty applications. No costly, complicated specialty tools required. Use for 5/16" and 3/8" high or low-pressure line repairs. Made In America. 95% coverage foreign and domestic

SER **PS1000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

STEERING PIVOT-PIN REMOVER

Applications: 1969 to current GM, Chrysler and Ford with Saginaw steering columns. For use on tilt and telescopic steering columns to remove pivot pin.

BK **776-9243**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

COIL SPRING COMPRESSOR

Use tool to remove and install automotive coil springs up to 5 5/8" outside diameter. Designed to grasp a spring with a maximum 3/4" wire diameter. Can be used on straight or curved springs. Forged alloy steel arms hug contour of helix.

CAUTION: Read all instructions carefully before using this tool. For intended use only. Do not use with power tools.

SER **3450**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

COIL SPRING COMPRESSOR

Features tempered chrome molybdenum steel jaws to safely and easily compress coil springs accessible from the center of the coil. 2" rod with 8 1/4" - 14" jaw opening range

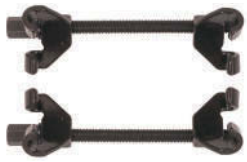
BK **776-0006**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

COIL SPRING COMPRESSOR

Compresses coil springs when replacing shock absorbers or spring sets on most passenger cars and light trucks. Drop-forged steel jaws with hardened, alloy-steel center bolts. For use with 1/2" drive ratchets and 1 5/16" wrenches.



BK **776-9092**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

CLAMSHELL MACPHERSON STRUT SPRING COMPRESSOR

Compresses springs with 4" to 9" outer diameter and 7/16" to 11/16" wire diameter, without the inconvenience of adapter shoes. Jaws are held in place by locking pins. Can be used with impact wrenches.

BK **827-1055**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

MACPHERSON STRUT SPRING COMPRESSOR

Compresses coil springs when replacing shock absorbers and spring sets, allowing technician to repair bent struts and damaged spindles. The 5/8", ACME threaded rod provides secure and safe operation. Not for use on GM A-/C-/J-/X-body vehicles.

BK **776-9091**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Ken-Tool — WHEREVER TIRES ARE CHANGED™

MACPHERSON STRUT COIL SPRING COMPRESSOR SET

Compressor works on most MacPherson Strut assemblies and is for use with replacements. Use the compressor when replacing bent strut or strut tube and damaged spindles. Use it on or off the car. Acme threaded screw for durability. Do not use on General Motors "A", "C", "J", or "X" body cars. 7 lbs. (3.1 kg.)

SPC **39730**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

COIL SPRING COMPRESSOR CLIP

Replacement clip used for shock replacement and other suspension repairs.

SER **3450-71**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

EVERCRAFT

UNIVERSAL SHOCK NUT TOOL SET

Easily removes and installs shock nuts on most vehicles. Includes shock nut socket and 2 stem tools to accommodate three different sizes of stems.

BK **776-9239**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

GAS SHOCK ABSORBER SOCKET

3/8" Drive. Applications: GM X and J Body vehicles with 6.1mm x 8mm Double D stem shock absorbers.

BK **776-9240**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

UNIVERSAL STRUT NUT REMOVER

Removes top nut on most MacPherson struts. 3/8" Drive.

- 3/4" Adapter
- 6.5mm Hex & Double D
- 7.5mm Hex & Double D
- T-50 Star
- 10mm Internal Hex x Double D

BK **776-9245**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD CASTER/CAMBER WRENCH

Adjusts both caster and camber wheel alignment on Ford SUVs and trucks. Unique shape and double-ended, 21mm socket allow easy access to hard-to-reach caster/camber adjusting bolts.

SER **77-4020**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

FORD 22MM CASTER/ CAMBER WRENCH

For use in aftermarket replacement applications. Unique shape with double-ended, 22mm socket allows easy access to hard-to-reach caster/camber adjusting bolts. Shipping Weight: 12 oz.

SER **77-4041**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

12 PC. INNER TIE ROD TOOL SET

Improved socket design to work on longer applications.

- Makes the job easier, especially in tight spots
- The long socket slips over tie rod end and crows foot engages on socket for easy removal and installation of tie rods with inaccessible wrench flats
- Includes 12 crowsfeet, sizes $1^{3}/_{16}$", $1^{1}/_{4}$", $1^{3}/_{8}$", $1^{1}/_{2}$", $1^{5}/_{16}$", $1^{7}/_{16}$", 29mm, 32.5mm, 33.6mm, 38.4mm, 40mm and 42mm, to fit many cars, trucks and SUVs
- Case included

SER **58100**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

Our press-type ball joint separator allows for ball joint removal without damage to boots and other parts that fork-type removers may cause.

FRONT END SERVICE KIT

This versatile set allows for easy removal of the most popular types of Pitman arms, tie rods, and ball joints.

SER **41690**

Contents

Item No.	Description
SER **2289**	Pitman Arm Puller 22 x 140mm: For nearly any Pitman arm job on passenger cars and light trucks.
—	Tie Rod Puller: For servicing outer tie rods and ball joints on domestic and import vehicles with front or rear wheel drive, cast or stamped-steel steering knuckles.
—	Universal Ball Joint Separator: For separating the ball joint from the spindle support arm on domestic and import front wheel drive vehicles. Adjustable for different size ball joints.
SER **3917**	Tie Rod End Puller and Pitman Arm Puller: Use as a Pitman arm remover for many small domestic rear wheel drive vehicles, or as a tie rod end puller for many domestic and import vehicles.
—	Universal Tie Rod End Remover: For use on imports and many front wheel drive vehicles, including SUVs with rack and pinion steering. Live center tip on forcing screw swivels to align tool to tie rod stud to ease in removal and prevent damage to stud.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Steering & Suspension

CARLYLE TOOLS by NAPA

MASTER INNER TIE ROD TOOL KIT

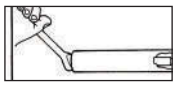
Includes all nine crowsfeet to work on many applications. The long socket slips over the tie rod end and the crowfoot engages on the socket for easy removal and installation. The inner tie rod can be removed and installed without removing the rack. The kit comes in a molded case for convenient storage. Case is designed to hold up to four additional crowsfeet as new applications are discovered. Sizes used: 29mm, 1 3/16", 1 1/4", 32.5mm, 1 5/16", 33.6mm, 1 3/8", 1 7/16", 1 1/2". Packaged in a blow molded case.

SER **46800**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DELUXE INNER TIE ROD TOOL



Remove and install inner tie rods on many GM and some Chrysler products that have a complete hex with a ball socket or just 2 flats on the inner end that measure 1 7/16" across. Tool can also be used on all inner tie rods with 1 3/16" and 1 5/16" hex sizes.

CAUTION: Do not use with power tools. For intended use only.

SER **3312**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

INNER TIE ROD TOOL

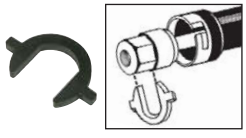
Utilizes six crow's feet to engage wrench flats on tie-rod end sockets that do not have a full-length hex. Long socket slips over tie-rod end and connects to crow's foot, making it possible to remove/install the inner tie-rod without removing the rack. Includes an additional 1 1/2" crow's foot for Chevrolet Colorado/GMC Canyon.

SER **77-4012**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CROWS FOOT TIE ROD REMOVAL TOOL



For use with inner tie rod tool *SER* **77-4012**. Works on tie rods with inaccessible flats and can also work with tie rods with no flats. Hex size: 1 3/8".

SER **46300**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

TIE-ROD ADJUSTING TOOL

Permits 360° rotation of sleeve for required adjustment. Four-position feature allows technician to locate tool and grip sleeve properly—even when access is limited. Universal tool services most compact/standard size passenger cars and light trucks.

BK **700-2246**

OTC

TIE-ROD ADJUSTING TOOLS

For fast, accurate tie-rod adjustments. Durable, heat-treated steel with black anodized finish.

Item No.	Description
BK **700-2472**	Compact Car, 3/4" Dia. Adj. Sleeve
BK **700-2473**	Full-Size Car, 7/8" Dia. Adj. Sleeve
BK **700-2474**	Light Trucks, 1 1/8" Dia. Adj. Sleeve

EVERCRAFT

TIE ROD ADJUSTING TOOL

Easily removes tie rods (outer) on FWD and RWD import and domestic vehicles with cast or stamped steel steering knuckles. Jaws apply up to 5 tons of force; special design prevents jaws from slipping.

BK **776-9170**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

TIE-ROD END LIFTER

Separates and removes ball joints on steering and suspension systems. Ductile steel construction with 19mm jaw opening and 38mm maximum opening.

BK **776-9095**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

UNIVERSAL TIE ROD END TOOL

For use on most automotive applications. To use, insert tool between spindle arm and tie rod, turn thrust bolt with 3/4" (19mm) socket or wrench to spread tie rod easily. Fork 18mm (11/16").

BK **776-9182**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

INNER TIE ROD TOOL
Turns smooth tie rods easily. Simply slide tool over the end and tighten collar to allow access with an extension. Can remove inner tie rod without removing the outer tie rod. No more bulky tool to store. Inexpensive and effective way to turn these smooth tie rod ends.

SER **946**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

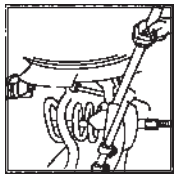
CARLYLE TOOLS by NAPA

TIE ROD SEPARATOR
Can be adjusted to fit flat, hex and round inner tie rods. Made from forged steel for durability. Hex applications up to 35.5mm. Tie Rod Separator Opening Size: 31mm to 41mm.

SER **3961**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



TIE ROD SEPARATOR
This powerful tool separates tie rods. Insert $^{21}/_{32}$" opening between parts and strike with hammer to separate. Separator is forged to withstand hard usage. Overall length: 12".

CAUTION: For intended use only.

SER **2288**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

TIE-ROD SEPARATOR
This powerful tool separates steering tie-rods with $^{21}/_{32}$" diameter or smaller attaching studs. Zinc-plated, forged steel construction for durability. Overall Length: 16". **CAUTION: For intended use only.**

BK **776-9065**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PNEUMATIC TIE ROD/BALL-JOINT SEPARATOR KIT
The versatile 6-in-1 tool is used for separating ball joints, tie rods and pitman arms. Kit consists of three forks and two handles which are used for hammering and other uses with air hammers. All forks are threaded to interchange for either handle. Tie rod separater opening size: $^{11}/_{16}$", $^{15}/_{16}$" and $1^{1}/_{8}$".

SER **41610**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BALL JOINT MASTER SERVICE KIT
The majority of vehicles have press-in ball joints and everything required to service these vehicles is laid out in this complete kit. Ball joint application guide is designed to minimize service time by showing diagrams and step-by-step instructions. Complete coverage of car, truck, van and SUV applications. Includes 70-plus adapters, C-frame and application guide. Comes in blow-molded case.

SER **6559**

OTC

14 PC. MASTER BALL JOINT ADAPTER SET
For press-fit upper and lower ball joints. Includes receiver tubes and removal/installation adapters that work on most Dodge/Ford/GM two- or four-wheel-drive vehicles through 1997. Set also includes live center forcing screw plug, application chart and plastic storage/carrying case. Sizes vary in length from $^{1}/_{2}$" to $3^{3}/_{16}$", $^{15}/_{16}$" To $2^{5}/_{8}$" I.D. and $^{7}/_{8}$" to $3^{1}/_{16}$" O.D..

BK **827-5104**

CARLYLE TOOLS by NAPA

PNEUMATIC U-JOINT DRIVER
Quickly removes u-joint cap from drive shaft on most rear wheel drive vehicles. Use with an air hammer to remove u-joint caps up to $1^{5}/_{16}$" in diameter. Prevents damage to drive and axle shaft ears when presses or chisels are used. On some vehicles, the u-joint is retained with plastic from the factory and must be removed before driving out u-joint caps.

SER **77-4019**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

OTC

SER **3421**

SER **3421-71**

SER **3421-72**

SER **3421-73**

SER **3421-74**

BALL JOINT/U-JOINT/BRAKE ANCHOR PIN PRESS SET

Kit is designed for the removal and installation of press-fit parts such as ball joints, U-joints and truck brake anchor pins without resorting to makeshift methods. Also great for removing rusted and corroded parts. Includes C-frame press; 2 3/4" I.D. x 3" O.D., 2 1/4" I.D. x 2 1/2" O.D., and 1 3/4" I.D. x 2" O.D. receiver tubes, and adapters.

Item No.	Description
SER **3421**	Ball Joint/U-Joint/Brake Anchor Pin Press Set
SER **3421-71**	Press Yoke
SER **3421-72**	Center Screw
SER **3421-73**	Collar Kit
SER **3421-74**	Sleeve Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

BALL JOINT SPANNER WRENCH

Designed for the removal and installation of ball joint adjusting sleeves on 1/2-, 3/4- and 1-ton Dana 44, open-yoke front axles, found on Chrysler/Ford/GM/International/Jeep four-wheel-drive vehicles. Permits easy torquing with a 1" socket for correct upper ball joint preload. Made from alloy steel for ruggedness and long life.

BK **700-2467**

EVERCRAFT

BALL JOINT SEPARATOR

Easily spreads ball joints in areas where access is limited. Heat-treated, drop-forged steel construction for added strength and durability.
Jaw Opening: 19mm. Max. Opening: 38mm.

BK **776-9096**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BALL JOINT SEPARATOR

Tool separates ball joints from steering knuckles. To use, insert 15/16" opening between parts and strike with hammer. Separator is forged to withstand hard usage. Overall length: 12".

SER **2287**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

BALL JOINT SEPARATOR

Separates ball joints from steering knuckles. Simply insert 15/16" opening between the two parts and strike with a hammer. Zinc-plated, forged construction for durability. Overall Length: 12".
CAUTION: For intended use only.

BK **776-9066**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD BALL JOINT CAM TOOL

Easily remove ball joint alignment cams by simply placing prongs of fork under flange of cam and tapping with hammer. Cam is pulled from tapered seat and can be rotated for alignment, adjustment or replacement. Fork opening: 1 3/8".
CAUTION: For intended use only.

SER **3316**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

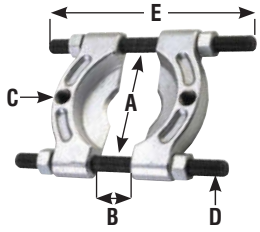
INDEXABLE PICKLE FORK MASTER SET

Indexing feature allows for access in tight areas. Manual or pneumatic hammer attachments add flexibility of tool use. 90° manual hammer position keeps your hand safely out of the way when using tool. Separator is forged steel to withstand hard usage. Set includes two sizes: 1 5/16" and 2 1/32" forks.

SER **43990**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



SPLIT-BEARING ATTACHMENTS

Attachments are used for the removal of bearings, thin-faced and cone-shaped gears. Beveled edge allows insertion behind pulleys, gears or bearings where space limits the use of a standard puller jaw. To use, grip the part to be pulled, then pull with the gear puller.

Item No.		A Min.	B Max.	C	D	E
SER **2263**	2 7/16"	0	2 1/4"	3/8"-16"	7/16"-20"	4 3/4"
SER **2264**	4 3/8"	0	4 1/4"	5/8"-18"	5/8"-18"	8 9/16"
SER **2265**	6"	1/2"	8 5/8"	5/8"-18"	3/4"-16"	14 1/4"

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

OTC

BEARING SPLITTERS

Knife-like edges are easily placed behind part to secure a gripping surface - even when clearances are extremely limited. When used as a push-puller, puller legs are threaded into the attachment's two tapped holes.

Item No.	Description
BK **825-5130**	Spread: 5/8"-8"
BK **825-5131**	Spread: 1/2"-9"

CARLYLE TOOLS by NAPA

CARLYLE® 55 MM ADJUSTABLE WRENCH

Built with superior quality and designed with input from industry technicians, Carlyle® Tools are affordable, high-performance and dependable, even in the harshest of work environments.

- Can be used to remove push pins and other types of retainers
- Designed to remove and helps to replace snap rings on universal joints
- The Offset U Joint Snap Ring Plier is designed to help the user to easily remove and replace snap rings that hold bearing cups in place
- 55 mm

SER **947**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

75° U-JOINT PLIERS

- The offset U-Joint Snap Ring Plier is designed to help the user to easily remove and replace snap rings that hold bearing cups in places
- Designed to remove and helps to replace snap rings on universal joints
- Can be used to remove push pins and other types of retainers

SER **48**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HEAVY-DUTY U-JOINT PULLER

U-Joint puller provides a solution for disassembling even the most seized, stubborn U-joints in minutes on virtually all class 7 and 8 trucks and machinery.

- Eliminates dangerous vice and socket, or hammering removal methods
- Does not damage the driveshaft, yokes, joints or bearing cups
- One-piece unit without bolts, cables or assembly required
- Engineered for use with up to a 1 inch impact tool

SER **199**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

AUTOMOTIVE & LIGHT TRUCK U-JOINT PULLER

U-joint puller provides a solution for disassembling even the most seized U-joints in minutes on virtually all cars, light-duty trucks and farm machinery.

- Manufactured from high-grade materials for strength and durability
- Eliminates dangerous vice and socket, or hammering removal methods

SER **905**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

INTERMEDIATE U-JOINT PULLER

U-joint puller provides a solution for disassembling even the most seized U-joints on most intermediate trucks, school buses, farm and light industrial vehicles.

- U-Joints with bearing cups 1.25 inch to 1.7 inch O.D.
- Eliminates dangerous vice and socket, or hammering removal methods

SER **907**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

HEAVY DUTY U-JOINT PULLER

Heavy duty tool is used to remove the HD vehicle driveline U-joints using an impact wrench up to 1". Disassemble and reassemble U-joint cups without heat or hammering. Larger diameter threaded shaft can handle U-joints that are severely seized and require higher force to pull and install. Smoother thread allows for a lower, more consistent effort to rotate shaft. Major tool components are heat treated for improved strength and durability. Compatible with Meritor 16N, 17N, 18N, 1710, RPL 20, and 25 Permalube Series. Compatible with Spicer 1610, 1710, 1760, 1810, 1880, SPL 140, 170, 250 Life Series. Designed to fit all class 7 and 8 trucks, including a wide variety of drivelines from Spicer and Meritor, making shop operations more efficient and reducing cost.

OTC **5190A**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Steering & Suspension

OTC

U-JOINT REMOVAL TOOL

Handles even the most stubborn u-joints with ease. Removes drive shaft assembly from vehicle and presses u-joint bearing assembly from drive shaft. Can be used with 1/2" drive impact wrenches for speed and at different angles in close quarters. Works on most Dana and Rockwell u-joints. For light-/medium-duty use only.

BK **700-2106**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PITMAN ARM PULLER

To use, simply mount jaws over arm, turn center screw with wrench until tight and strike screw with hammer. For use on full-size pitman arms. Drop forged, heat-treated steel yoke. Dimensions: 22mm x 140mm. Center Screw Size: 5/8"-18 Thd.

NOTE: Not for use with power tools.

SER **2289**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

PITMAN ARM PULLER

Adjustable, with replaceable forged jaws. Two-clamp bolts lock jaws on Pitman arm. Can perform other pulling jobs on cars and light trucks. Capacity: 3/4 ton. Maximum Spread: 2 1/8".

BK **700-2458**

EVERCRAFT

PITMAN ARM PULLER

Removes full size Pitman Arms from steering boxes. Drop-forged, zinc-plated steel yolk for strength and durability. Shape is designed to fit the job ensuring positive grip.

CAUTION: Wear eye protection. Do not use with power tools.

BK **776-9067**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

TIE-ROD END & PITMAN ARM PULLER

For safe and easy removal of Pitman arm assemblies and tie-rods on compact cars. Heat-treated, drop-forged yoke with heavy-duty center screw. Opening: 11/16". Pull: 2 1/8".

BK **776-9097**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BUSHING REMOVER & INSTALLER SET

Use sets to remove and insert bushings such as those in cars, trucks, buses, tractors, construction and off-road equipment. Sizes are stamped on each bushing adapter. To use, select proper size adapter and drive bushing into place. Nine pieces. Range: 1 5/16" to 1 3/4".

SER **31430**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BUSHING ADAPTER & DRIVER KIT

Perfect for removing/inserting bushings on cars, trucks, buses, tractors, as well as construction or off-road equipment. Set includes small, medium, large drivers and bushing adapters from 3/8" to 1 3/8".

SER **41780**

Contents

Qty.	Description	Qty.	Description
1	Adapter, 3/8"-7/16"	1	Adapter, 15/16"-11/16"
1	Adapter, 7/16"-1/2"	1	Adapter, 1"-1 1/8"
1	Adapter, 15/32"-17/32"	1	Adapter, 1 1/16"-1 3/16"
1	Adapter, 1/2"-5/8"	1	Adapter, 1 1/8"-1 1/4"
1	Adapter, 9/16"-11/16"	1	Adapter, 1 3/16"-15/16"
1	Adapter, 5/8"-11/16"	1	Adapter, 1 1/4"-1 3/8"
1	Adapter, 5/8"-3/4"	1	Driver #1
1	Adapter, 11/16"-13/16"	1	Driver #2
1	Adapter, 3/4"-7/8"	1	Driver #3
1	Adapter, 13/16"-15/16"	1	Nut, Driver #1
1	Adapter, 7/8"-1"	1	Nut, Driver #2

OTC

UPPER CONTROL ARM KNOCKOUT TOOL

Removes upper control arm alignment bracket inserts on 1989-current Chevrolet/GMC, 1/2-, 3/4-, and 1-ton two- or four-wheel-drive trucks. Also works on 1990-current Astro/Safari all-wheel-drive vans. Improved design features self-centering knockout for full punch removal with less tear. Made from alloy steel for ruggedness and long life.

BK **700-2463**

WARNING: Always wear eye and face protection.

FIX-A-THRED®

THREAD REPAIR KITS

The most effective and universally accepted method of thread repair. Inserts work quickly and permanently to restore stripped, worn, or damaged threads to their original size and condition. Inserts work on any part or material, including aluminum, magnesium, cast iron, bronze, and more. Additionally, threads can be restored on spark plug ports, carburetor fuel inlets, transmission housings, oil drain plugs, exhaust and intake manifolds, head bolt holes, and more! Heli-Coil not only saves time, but can also increase repair capabilities by restoring parts that otherwise would have to be scrapped. Heli-Coil Inserts maintain original thread size, which means the original fastener can be used.

Sizes

Inch Coarse (USS): ..... #4-1 1/2"
Inch Fine (SAE): ..... #10-1 1/2"
Metric Coarse: M5-M10
Metric Fine: M10-M12
Spark Plug: ..... 7/8", M10, M12, M14, M18

BK **33609**

METRIC COARSE & FINE THREAD REPAIR KITS

Thread Size x Length	Drill Size	Kit Item No.	Kit Contents: Kit Qty.	Thread Insert Item No.	Kit Qty.	Tap Item No.	Kit Qty.	Installation Tool Item No.
Metric Coarse Thread Repair Kits & Inserts								
M5 x .08 x 7.5mm	13/64"	*BK* **35059**	12	*BK* **25059**	1	*BK* **45051F**	1	—
M6 x 1 x 9mm	1/4"	*BK* **35069**	12	*BK* **25069**	1	*BK* **45061F**	1	—
M7 x 1 x 10.5mm	9/32"	*BK* **35079**	12	*BK* **25079**	—	*	—	—
M8 x 1.25 x 12mm	21/64"	*BK* **35089**	12	*BK* **25089**	1	*BK* **45081F**	1	*BK* **50375-0F**
M9 x 1.25 x 13.5mm	23/64"	*BK* **35099**	12	*BK* **25099**	—	—	—	—
M10 x 1.5 x 15mm	13/32"	*BK* **35109**	12	*BK* **25109**	1	*BK* **45101F**	1	*BK* **50281-0F**
M11 x 1.5 x 16.5mm	29/64"	*BK* **35119**	6	*BK* **25119**	1	—	1	*BK* **770-3192**
M12 x 1.75 x 18mm	31/64"	*BK* **35129**	6	*BK* **25129**	1	*BK* **45121F**	1	*BK* **770-3196**
Metric Fine Thread Repair Kits & Inserts								
M10 x 1.25mm	13/32"	*BK* **37109**	12	*BK* **27109**	1	*BK* **47101F**	1	—
M11 x 1.25 x 16.5mm	29/64"	*BK* **37119**	6	*BK* **27119**	—	—	—	—
M12 x 1.50 x 18mm	31/64"	*BK* **37129**	6	*BK* **27129**	1	*BK* **47121F**	1	*BK* **50375-0F**

Tap included.

MASTER INCH COARSE THREAD REPAIR KIT

Includes the products necessary to solve a wide variety of the most common coarse thread repair problems. Kit comes packaged in a handy, custom-molded case. Drill specifications, product reference chart and instruction sheet included.

BK **33019**

Qty.	Item No.	Description
12	*BK* **23049**	Insert, 1/4"-20 x 0.375" (13/64" Drill)
12	*BK* **23059**	Insert, 5/16"-18 x 0.469" (21/64" Drill)
12	*BK* **23069**	Insert, 3/8"-16 x 0.56" (25/64" Drill)
6	*BK* **23079**	Insert, 7/16"-14 x 0.656" (29/64" Drill)
6	*BK* **23089**	Insert, 1/2"-13 x 0.75" (17/32" Drill)
6	*BK* **23109**	Insert, 5/8"-11 x 0.9" (21/32" Drill)
1	—	Installation Tool, 1/4"-20 Thread
1	*BK* **50219-0F**	Installation Tool, 5/16"-18 Thread
1	—	Installation Tool, 7/16"-14 Thread
1	—	Installation Tool, 1/2"-13 Thread
1	*BK* **50500-0F**	Installation Tool, 5/8"-11 Thread
1	*BK* **43041F**	Tap, 1/4"-20 Thread
1	*BK* **43051F**	Tap, 5/16"-18 Thread
1	*BK* **43061F**	Tap, 3/8"-16 Thread
1	*BK* **43071F**	Tap, 7/16"-14 Thread
1	*BK* **43081F**	Tap, 1/2"-13 Thread
1	*BK* **43101F**	Tap, 5/8"-11 Thread

WARNING: Always wear eye and face protection.

FIX-A-THRED®

BK **33069**

BK **43061F**

BK **23069**

INCH COARSE & FINE THREAD REPAIR KITS

Thread Size x Length	Drill Size	Kit Item No.	Kit Contents: Kit Qty.	Thread Insert Item No.	Kit Qty.	Tap Item No.	Kit Qty.	Installation Tool Item No.
USS – Inch Coarse Thread Repair Kits & Inserts								
1/4"-20 x 0.25"	17/64"	—	—	—	1	*BK* **43041F**	1	—
1/4"-20 x 0.375"	17/64"	*BK* **33049**	12	*BK* **23049**	1	*BK* **43041F**	1	—
1/4"-20 x 0.5"	17/64"	—	—	—	1	*BK* **43041F**	1	—
5/16"-18 x 0.31"	21/64"	—	—	—	1	*BK* **43051F**	1	*BK* **50219-0F**
5/16"-18 x 0.469"	21/64"	*BK* **33059**	12	*BK* **23059**	1	*BK* **43051F**	1	*BK* **50219-0F**
5/16"-18 x 0.625"	21/64"	—	12	*BK* **23059**	1	*BK* **43051F**	1	*BK* **50219-0F**
3/8"-16 x 0.375"	25/64"	—	—	—	1	*BK* **43061F**	1	—
3/8"-16 x 0.56"	25/64"	*BK* **33069**	12	*BK* **23069**	1	*BK* **43061F**	1	—
7/16"-14 x 0.656"	29/64"	*BK* **33079**	6	*BK* **23079**	1	*BK* **43071F**	1	—
1/2"-13 x 0.5"	17/32"	—	—	—	1	*BK* **43081F**	1	—
1/2"-13 x 0.75"	17/32"	*BK* **33089**	6	*BK* **23089**	1	*BK* **43081F**	1	—
9/16"-12 x 0.84"	19/32"	*BK* **33099**	6	*BK* **23099**	1	—	1	—
5/8"-11 x 0.625"	21/32"	—	—	—	1	*BK* **43101F**	1	*BK* **50500-0F**
5/8"-11 x 0.938"	21/32"	*BK* **33109**	6	*BK* **23109**	1	*BK* **43101F**	1	*BK* **50500-0F**
3/4"-10 x 1.1"	25/32"	*BK* **33129**	4	*BK* **23129**	1	*BK* **43121F**	1	—
7/8"-9 x 1.3"	29/32"	*BK* **33149**	1	*BK* **23149**	1	—	1	—
1-8 x 1.5"	11/32"	*BK* **33169**	1	*BK* **23169**	1	—	1	—
6-32 x 0.207"	#25	*BK* **33568F**	12	*BK* **23569**	1	*BK* **43545F**	1	*
8-32 x 0.246"	11/64"	*BK* **33589**	12	*BK* **23589**	1	—	1	—
10-24 x 0.285"	13/64"	*BK* **33609**	12	*BK* **23609**	1	—	1	*BK* **50140-0F**
12-24 x 0.32"	15/64"	*BK* **33629**	12	*BK* **23629**	1	—	1	—
SAE – Inch Fine Thread Repair Kits & Inserts								
1/4"-28 x 0.375"	17/64"	*BK* **34049**	12	*BK* **24049**	1	*BK* **44041F**	—	*
5/16"-24 x 0.469"	21/64"	*BK* **34059**	1	*BK* **24059**	1	*BK* **44051F**	1	—
3/8"-24 x 0.56"	25/64"	*BK* **34069**	12	*BK* **24069**	1	—	1	—
7/16"-20 x 0.656"	29/64"	*BK* **34079**	6	*BK* **24079**	1	—	1	—
1/2"-20 x 0.75"	33/64"	*BK* **34089**	6	*BK* **24089**	1	*BK* **44081F**	1	—
1/2"-20 x 1"	33/64"	—	6	*BK* **24084F**	1	*BK* **44081F**	—	—
9/16"-18 x 0.84"	37/64"	*BK* **34099**	6	*BK* **24099**	1	—	1	—
5/8"-18 x 0.938"	41/64"	*BK* **34109**	6	*BK* **24109**	1	—	1	—
3/4"-16 x 1.1"	49/64"	*BK* **34129**	4	*BK* **28129**	1	*BK* **44125F**	1	*
7/8"-14 x 1.3"	57/64"	*BK* **34149**	1	*BK* **24149**	1	—	1	—
1-14 x 1.5"	11/64"	—	1	*BK* **24163-14F**	1	—	1	—
10-32 x 0.285"	13/64"	*BK* **34609**	12	*BK* **24609**	1	—	—	*

* *Inserting tool or mandrel and pre-winding tool included* + *Pre-winding tool included.*

STAINLESS STEEL METRIC THREAD REPAIR TOOLS

Size	Drill Size	Steel Drill Size	Thread Insert Item No.	Tap Item No.	Installation Tool Item No.
M5 x 0.8mm	13/64"	4mm (0.209")	*BK* **25059**	*BK* **45051F**	—
M6 x 1mm	1/4"	6.4mm (0.252")	*BK* **25069**	*BK* **45061F**	—
M7 x 1mm	9/32"	L (0.29")	*BK* **25079**	—	—
M8 x 1.25mm	21/64"	Q (0.332")	*BK* **25089**	*BK* **45081F**	*BK* **50250-0F**
M10 x 1.25mm	13/32"	13/32" (0.406")	*BK* **27109**	*BK* **47101F**	—
M10 x 1.5mm	13/32"	Z (0.41")	*BK* **25109**	*BK* **45101F**	*BK* **50281-0F**
M11 x 1.5mm	29/64"	Z (0.453")	*BK* **25119**	*BK* **770-3192**	—
M12 x 1.5mm	31/64"	12.5mm (0.492")	*BK* **27129**	*BK* **47121F**	*BK* **50375-0F**
M12 x 1.75mm	31/64"	1/2" (0.5")	*BK* **25129**	*BK* **45121F**	*BK* **770-3196**

BK **45051F**

BK **770-3320**

BK **27109**

WARNING: Always wear eye and face protection.

FIX-A-THRED®

PLUG-SAVER™ SPARK PLUG THREAD REPAIR INSERTS

Size: M14 x 1.25. Quantity: Pack/6.

Item No.	Description
BK **98142P**	Short Reach
BK **98143P**	Normal Reach
BK **98144P**	Long Reach

METRIC M11 X 1.5 HEAD BOLT THREAD REPAIR

This kit is typically used in 4.0 and 4.2 liter General Motors engines including Cadillac as well as many others such as Honda and Toyota. Extended reach installation. Stop collar on tool controls the installation depth. Custom length inserts (33mm) for proper head bolt engagement.

BK **35119S**

Contents

Qty.	Item No.	Description
12	*BK* **25119-31.5**	Stainless Steel Inserts
1	*BK* **770-5252**	High Speed Tap
1	*BK* **770-5253**	Installation Tool
1	*BK* **770-5254**	High Speed Drill Bit

OXYGEN SENSOR THREAD REPAIR KIT

Quickly and permanently restores damaged exhaust manifold oxygen sensor threads. Piloted reamer tap enables perfect alignment of new tapped hole—no drilling necessary. Corrosion-resistant, stainless steel inserts improve future serviceability. Ideal for professional engine rebuilders and do-it-yourself consumers.

BK **38188-1XF**

PLUG-SAVER™ SPARK PLUG THREAD REPAIR KITS

The only thread repair products that can be used to repair both taper-seat and gasket-type spark plug assemblies. With three insert lengths to accommodate all reaches and a positive mechanical-locking feature, Sav-A-Thread™ is the easiest way to permanently repair stripped spark plug hole threads.

5 PC. PLUG-SAVER™ SPARK PLUG THREAD REPAIR KIT

For aluminum or cast-iron heads. Thread Size: M14 x 1.25.

BK **98141**

Contents

Qty.	Item No.	Description
1	*BK* **98146**	Expanding Tool
1	*BK* **98144P**	Insert, Long Reach
1	—	Insert, Normal Reach
1	—	Insert, Short Reach
1	*BK* **98145F**	3" Tap

14-1.25MM SPARK PLUG THREAD REPAIR PARTS

BK **48107F**

Item No.	Description	Qty.
BK **28147F**	Insert, 7/16" Reach	6
BK **28149**	Insert, 1/2" Reach	6
BK **28140**	Insert, 3/4" Reach	6
BK **50468-0F**	Installation Tool	1
BK **48107F**	Tap	1

BK **28149**

NOTE: Do not use helical wire inserts to repair taper-seat spark plug ports.

18-1.5MM SPARK PLUG THREAD REPAIR KIT

BK **38188F**

Contents

Qty.	Item No.	Description
6	*BK* **28189**	Insert, 1/2" Reach
1	*BK* **50590-0F**	Installation Tool
1	*BK* **48187F**	Tap

NOTE: Do not use helical wire inserts to repair taper-seat spark plug ports.

18-1.5MM SPARK PLUG THREAD REPAIR PARTS

BK **48187F**

Item No.	Description	Qty.
BK **28189**	Insert, 1/2" Reach	6
BK **50590-0F**	Installation Tool	1
BK **48187F**	Tap	1

NOTE: Do not use helical wire inserts to repair taper-seat spark plug ports.

FORD SPARK PLUG THREAD REPAIR KIT

Designed for half-thread (HT) spark plug applications on Ford 4.6- and 5.4-liter engines. Allows access to deep ports and positive mechanical locking ensures insert will not come out.

BK **98140T**

Contents

Qty.	Item No.	Description
1	*BK* **98146**	Expanding Tool
12	*BK* **770-3004**	Insert, Half-Thread (M14 x 1.25)
1	*BK* **9814760**	Installation Tool, Steel
1	*BK* **98145F**	3" Tap, Piloted Reamer

FORD SPARK PLUG THREAD REPAIR PARTS

Item No.	Description
BK **98146**	Expanding Tool
BK **9814760**	Installation Tool, Steel
BK **98145F**	3" Tap, Piloted Reamer

BK **98146**

BK **9814760**

BK **98145F**

WARNING: Always wear eye and face protection.

Thread Repair

FIX-A-THRED

THREAD INSERT KIT

Inserts work quickly and permanently to restore stripped, worn or damaged threads to original size and condition. Includes six inserts.
Thread size: 12 x 1.25mm.
BK **38129**

FIX-A-THRED

SPARK PLUG THREAD INSERTS

Spark plug free running stainless steel inserts are cold-rolled to a diamond cross section producing an ultimate tensile strength. Usually far exceeding tap material and is best suited for most industrial needs.

Item No.	Thread Size	Drill Bit Size	Length	Qty.
BK **R482-1**	M12-1.25	31/64"	1/2"	6
BK **98147P**	M12-1.25	31/64"	3/4"	6
BK **28149-0.472F**	M14-1.25	9/16"	.472"	6

CARLYLE TOOLS by NAPA

14MM SPARK PLUG THREAD CHASER

Tool features extra-long neck for access to recessed spark plug cavities. Groove and O-ring holds tool in socket. Use with 3/8" drive tool or 5/8" socket.
SER **3379**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

UNIVERSAL OUTSIDE THREAD CHASER

Quickly restores threads to near-original condition. Replaceable v-pads and six dies. Outer Diameter: 1 1/4"-5". Threads/Inch: 4, 5, 6, 7, 7 1/2, 8, 9, 10, 11, 11 1/2, 12, 14, 16, 18, 20, 24.
BK **700-2459**

CARLYLE TOOLS by NAPA

14 & 18MM SPARK PLUG OPENING THREAD CHASER

Clean and restore spark plug threads. Use with a 13/16" socket. Rubber ring eliminates slipping. Tool services most cars. 14mm x 1.25mm x 1.50mm.
SER **730**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

14MM SPARK PLUG INSERT REAMER/TAP

Opens threads in damaged spark plug holes prior to using spark plug thread inserts. Use inserts *SER* **2126** through *SER* **2129** to repair 14mm spark plug holes on aluminum heads only.
SER **2123**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

14MM SPARK PLUG THREAD INSERTS

Used to replace damaged 14mm spark plug threads on aluminum head engines only. Use with *SER* **2123** reamer/tap to repair holes. Thread locking compound and 1 pair of inserts are included in each item.

Item No.	Insert Length	Item No.	Insert Length
SER **2126**	3/8"	*SER* **2128**	1/2"
SER **2127**	7/16"	*SER* **2129**	3/4"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BACK-TAP 10 & 12MM SPECIAL 2 PC. IMPORT VEHICLE SET

Item No.	Description	*SER* **3691 2 Pc. Set**
SER **3688**	Internal Thread Chasers 10mm	•
SER **3689**	Internal Thread Chasers 12mm	•

CARLYLE TOOLS by NAPA

14MM CYLINDER HEAD THREAD REPAIR KIT

Repair damaged 14mm spark plug threads by opening hole with a reamer/tap and screwing insert onto the spark plug. Use spark plug socket to install spark plug and insert. Remove plug and check that insert is properly seated. Set includes 1 each of 4 inserts: 3/8", 7/16", 1/2" and 3/4" reach and thread locking compound. Tap is designed for aluminum heads only. **Does not require drill bit.**
SER **2125**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LTI TOOLS

HOLLOW END LINE TAPS

Hollow end line taps help rethread female fittings without line removal in order to make it easier to service A/C and hydraulic line fitting threads that become corroded over time and otherwise break when disconnected. The hollow end tap slides over flared end of the line easily, rethreading the female connector. Kit includes eight pieces covering all popular sizes. Can be used on brake, oil, transmission and heater lines. Tap sizes 14, 16, 18, 20, 22, 24, 27mm and 1 1/8".
BK **700-2567**

LTI TOOLS

SHOCKIT KIT SOCKET

This kit allows the technician to firmly and securely shock the fastener loose using a hammer. Offset punch is 7 1/2" length. Includes very low-profile sockets to fit over frozen nuts and bolts. The sockets have a raised flat edge. Included is a custom offset punch designed to fit the raised edge of the socket. Drive sizes 1/2" (12mm), 9/16" (1mm), 5/8" (16mm), 11/16" (17mm) and 3/4" (19mm). Contents: (5) sockets, (1) punch tool and (1) socket rail.
BK **700-2566**

WARNING: Always wear eye and face protection.

EVERCRAFT

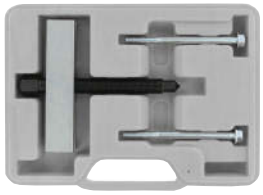
CLUTCH PLATE REMOVER

A/C clutch hub plate remover removes the club hutch from the compressor.

BK **776-1060** Fits most GM and Ford models
BK **776-1061** Use with Chrysler C-171, A590, 6C17 and Tecumseh HR-980 compressor clutches

EVERCRAFT

TIMING GEAR PULLER



Timing gear puller is used for pulling timing gears and other gears having tapped holes. Heat treated for strength and comes in a sturdy blow mold storage case.

Contains: 5 in. Yoke, (2) 4 in. Long 5/16 in. x 18 Bolts

BK **776-1062**

EVERCRAFT

VACUUM PUMP

Vacuum pump and gauge tester tests automotive vacuum motors, control valves and vacuum sources. It can be used to test almost any part or system that requires proper sealing, pressure or vacuum.

- Reads 0 - 30 in.
- Reverse pistol grip for easy one hand operation
- 24 in. clear plastic tubing included
- 2.125 Gauge diameter
- Aluminum

BK **776-1063**

EVERCRAFT

DOUBLE FLARING TOOL

Metric double flaring tool kit makes smooth fitting, crack-free 45° single or double flares on soft steel, brass and aluminum tubing.

Comes in a sturdy blow molded case

- Contents: (7) Adapters, (1) Yoke Assembly, (1) Bar Assembly, (1) Handle
- Good for soft steel, brass or aluminum tubing

BK **776-1064**

EVERCRAFT

TIRE ROD PULLER

This pitman arm puller/tie rod is of small design, making it ideal for tight areas. It is also robust for heavy duty removal due to its forged and heat-treated yoke and pressure screw head.

- 2 1/8 in. yoke opening

BK **776-1065**

EVERCRAFT

TAILPIPE EXPANDER

Used to expand tailpipes so aftermarket mufflers and tailpipes can be fitted to the exhaust system. It features an alloy steel construction for strength and durability.

- Designed for professional auto mechanics and heavy-duty applications
- Extra long hex bar for convenience

BK **776-1066** 1 1/2 x 2 7/16 in. Tubing diameter range
BK **776-1067** 2 1/8 x 3 7/16 in. Tubing diameter range

EVERCRAFT

ENGINE CYLINDER HONE

The OEM adjustable engine cylinder hone is designed for fast and accurate deglazing of cylinders. A powerful arm design keeps the abrasives accurately in line while a spring tension adjusting nut provides positive cutting action at all speeds.

- Range of 2 - 7 in.
- Use with any standard 1/4 - 1/2 in. drill
- 3 blades
- 3 or 4 inch blade length
- 220 Grit
- Tension adjustable

BK **776-1068**

EVERCRAFT

PISTON RING COMPRESSOR

Piston ring compressor is designed to handle most types of rings in the majority of passenger cars, including those that are channeled and segmented. Features a beaded edge so the compressor can't enter a cylinder with piston.

- Handles most piston rings including those that are channeled and segmented
- Self-locking ratchet mechanism with double tension band and heavy-duty pawl
- Range 2 1/8 in. to 5 in.
- 1/2 in. wide spring bands equalize the tension over the entire belt width so that the spring assemble may be compressed into the grove until it's flush with the piston.

BK **776-1070**

EVERCRAFT

4WD 6-LUG SPINDLE SOCKET

4 wheel bearing locknut socket, 6 Lug is used to remove and install wheel bearing retaining nuts.

- GM, Ford and Dodge trucks with Dana 70 Series axles
- For 3/4 and 1 ton vehicles with heavy suspension
- Black Oxide
- 1/2 In. Drive

BK **776-1071**

EVERCRAFT

AXLE PULLER ADAPTER

Designed to pull inner CV joints with hidden retaining rings from front wheel drive vehicles without damaging joints. Use with any manufacturer's slide hammer with 5/8 in x 18 threads.

- Designed for professional auto mechanics and heavy-duty applications
- Heat treated for strength
- Black oxide finish to resist rust

BK **776-1072**

WARNING: Always wear eye and face protection.

Loaner Tools

EVERCRAFT™

OIL PUMP PRIMER

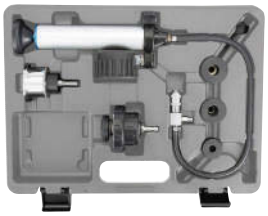
Oil pump primer is designed to prime the lubricating system of a rebuilt engine prior to its first start to prevent the damage of a dry start. It connects to the oil pump shaft through the distributor hole.

- Connects to the oil pump shaft through the distributor hole
- For use with a 3/8 in. reversible drill
- Complete with centering bearings
- GM V6 and V8 Oil Pump Primer

BK **776-1073**

EVERCRAFT™

UNIVERSAL COOLING SYSTEM KIT



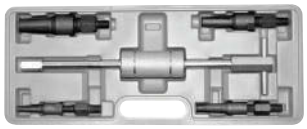
Universal cooling system pressure kit is used to diagnose and help locate leaks in an automotive cooling system. It is designed to manually pressurize and monitor a cooling system.

- Easy lever style pressure relief valve
- Quickly & easily pressure test cooling system in most vehicles
- The included expandable adapters take the place of numerous specialized adapters and are designed to work with both radiators and cooling system reservoirs.
- Designed to work with most cooling system adapters

BK **776-1074**

EVERCRAFT™

BLIND HOLE PULLER SET



Designed to pull blind hole bearings, bushings and sleeves with inside diameters, ranging from 3/8 - 1 1/8 in.
Heat treated for strength
Black oxide finish to resist rust

BK **776-1075**

EVERCRAFT™

THREAD RESTORER SET

Thread restoring file, tap and die kit restores both left and right-handed thread. This set comes in a sturdy blow mold storage case.

- Taps: 1/4 - 9/16 in, 6 - 12 mm
- #2 thread file pitches: 11, 12, 13, 14, 16, 18, 20, and 24 threads per inch
- #1 thread file metric pitches: 0.75, 1, 1.25, 1.50, 1.75, 2, 2.5, and 3mm
- #3 thread file pitches: 9, 10, 12, 16, 20, 27, 28, and 32 threads per inch

BK **776-1076**

EVERCRAFT™

COMBUSTION LEAK DETECTOR

This combustion leak detector is ideal for finding internal combustion leaks quickly and easily. Designed for professional auto mechanics and heavy-duty applications. Comes complete with a sturdy blow molded plastic carrying case.
Fluid turns from blue to yellow when combustion leak is present

- Applications: Blown Head Gasket, Cracked Head, Blocked Pulled Bolts, Studs Warped Sealing Surfaces

BK **776-1077** Combustion Leak Detector
BK **776-1104** Combustion Leak Detector Fluid

EVERCRAFT™

LIGHT TRUCK PITMAN ARM PULLER

Heavy duty pitman arm puller services cars and 3/4 tons light trucks. Features forged adjustable jaws and two clamp bolts that lock jaws together.

- Can be used for other applications such as bearing, collar and gear removal
- Pressure screw has ball head designed for striking

BK **776-1078**

EVERCRAFT™

3/8 IN. DR. TORQUE WRENCH

Click style torque wrench features a chrome plating to protect from rusting, knurled adjustment handle for easy grip and torque lock knob for accurate measurements.

- Right hand direction click only
- 20-200 in.-lbs. torque range
- Includes case

BK **776-1079**

EVERCRAFT™

MASTER INNER TIE ROD SET

Master inner tie rod tool set makes it easy to remove and reinstall inner tie rods without removing the rack and pinion. The set includes SAE and metric adapters to handle a variety of make and model vehicles.
1/2 in. drive tube handle makes it easy to remove and reinstall to proper torque

- Crowfoot adapters are nickel plated for durability
- Includes 12 crowfoot style adapters: 29 mm, 1 3/16 in, 1 1/4 in, 32.5 mm, 1 5/16 in, 33.6 mm, 1 3/8 in, 1 7/16 in, 1 1/2 in, 38.4 mm, 40 mm and 42 mm
- Tube handle inner diameter is 2.125 in. to service small cars, pick-ups and large SUVs
- 1 1/2 in. hex sizes used

BK **776-1080**

WARNING: Always wear eye and face protection.

EVERCRAFT

MASTER WHEEL AND HUB PULLER

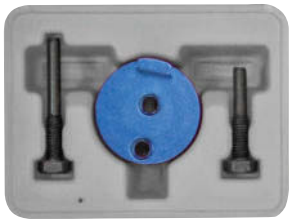
Kit removes and installs front wheel hub and bearings on Asian, Domestic and German vehicles along with rear wheel hubs and bearings on European vehicles.

- Saves times by allowing technician to service components on the vehicle with no need for a shop press
- Self-centering design is incredibly durable and easy-to-use

BK **776-1081**

EVERCRAFT

STRETCH BELT INSTALLATION TOOL



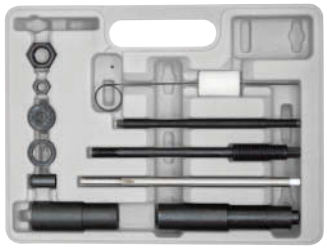
This stretch belt tool is ideal for quickly and easily installing stretch belts found on a wide variety of models. It will work on large and small pulley systems.

- Installation can be difficult because if the belt is twisted it can be damaged
- Larger with different pin configuration to accommodate larger pulleys with different designs found on many European vehicles
- Asian, European and Domestic Vehicles

BK **776-1082**

EVERCRAFT

FORD TRITON SET



Removes broken spark plugs from 2004 to present on all Ford Triton 3 valve engines. Includes both porcelain and sleeve extractor.

BK **776-1083**

EVERCRAFT

PORCELAIN EXTRACTION KIT

- Removes porcelain from broken spark plugs in Ford Triton 3 valve engines.
- Adheres pin to the porcelain for easy extraction without cylinder damage
- Includes rubber stoppers to remove stuck electrode shield, 6 pins and ½ ml glue

BK **776-1084**

EVERCRAFT

13 PC. ALTERNATOR DECOUPLER PULLEY SERVICE KIT

This kit removes and installs many alternator decoupler pulleys on the most popular vehicles. Works on both overriding alternator decoupler (OAD) and one-way clutch (OWC) pulleys.

- Set contains both standard and short length versions for ease of access
- Allows alternator shaft to be held while the pulley retainer is removed
- Tools may be used while the alternator is on or off the vehicle
- Includes a special set of spline and star socket bits for the removal of Bosch type alternator free wheel drive pulleys

BK **776-1085**

EVERCRAFT

TIE ROD END REMOVER

This tie rod end remover is used on imports, many front wheel drive vehicles, and rack and pinion steering. The tool comes with pressure screw tip swivels for damage free results.

- Rust resistant finish

BK **776-1086**

EVERCRAFT

DUAL PAD SPREADER

Dual/single disc brake spreader works on most single piston calipers. Dual piston application includes F and E-series vehicles, GM Lumina, Cutlass, Regal and Grand Prix.

BK **776-1087**

EVERCRAFT

GM TORSION BAR TOOL

GM torsion bar tool is built for K-3500 series trucks with the heavy-duty chassis. The larger C-frame opening accommodates the bigger torsion bar on these trucks holding it in place while you loosen or tighten the adjusting nut.

- Made of forged steel
- Also works on 1988 - 2003 GMC and Chevrolet ½, ¾ and 1 ton pickups and 1991 - 2001 Oldsmobile Bravada

BK **776-1088**

WARNING: Always wear eye and face protection.

Loaner Tools

EVERCRAFT™

HEATER CORE/RADIATOR FLUSH TOOL

This tool is used to provide the technician with an easy way to flush the heater core. Fits 1/2, 5/8 and 3/4 in.

BK **776-1089**

EVERCRAFT™

CV AXLE REMOVER SET

Axle popper kit is used for breaking loose half shafts from the transaxle on front wheel drive vehicles quickly and accurately. Its wedge forked end applies even pressure to both sides of the shaft for sure release of the shaft.

- Valuable tool for transmission shops, garages, tire and body shops
- Fork allows technician to strike the axle popper wedge or use it as a pry bar to release the half shaft
- Shim is included to fill the gap between the half shaft and the transaxle on some vehicles

BK **776-1090**

EVERCRAFT™

HARMONIC BALANCER PULLEY PULLER

Long reach harmonic balancer/ pulley installer reduces the risk of stripping threads inside the crank and breaking crank bolts.

- 6 Jaws
- Long reach

BK **776-1091**

EVERCRAFT™

BALL JOINT SEPARATOR

Ball joint separator is used for separating the ball joint from the spindle support arm on domestic and import front wheel drive vehicles.

- Adjustable for different size ball joints
- Steel with Black Oxide Pins
- 1 1/8 in. & 2 1/8 in. opening size

BK **776-1092**

EVERCRAFT™

MASTER BALL JOINT SET

Used to expand the capability of the ball joint press. It includes all the receiver tubes and removing/ installing adapters needed to work on many GM, Ford and Chrysler 2 and 4 wheel drive pick-ups, vans and SUVs.

- Includes: 8 receiving tubes, 2 installing tubes, 2 receiving cups, 1 plug and 1 remover/installer
- Comes in a sturdy blow mold case

BK **776-1093**

EVERCRAFT™

STEERING WHEEL PULLER J-HOOKS

- Steering wheel puller leg kit includes 2 J hook puller legs and spacer for expanded coverage. Works on many GM vehicles when there are no threaded holes are provided
- Steel construction for durability

BK **776-1094**

EVERCRAFT™

MASTER DISCONNECT SET

Master disconnect set is used for easily disconnecting air conditioning lines, fuel lines and transmission cooler lines. Features hydraulic clutch line disconnect for GM.

Fuel Line Retaining Clips: 3/8 & 5/16 in; Air Conditioning/Fuel Line Disconnects: 7/8, 3/4, 5/8, 1/2, 3/8, & 5/16 in; Scissor Disconnects: 5/16, 3/8 in & 1/2, 3/8 in.

BK **776-1095**

EVERCRAFT™

8 PC. AXLE NUT SOCKET SET

8 piece 12 point axle nut socket set is used for removing and installing axle nuts on front wheel drive vehicles. 1/2 In. Drive. 29, 30, 32, 34, 35, 36, 38 and 39 mm socket sizes.

BK **776-1096**

EVERCRAFT™

VIDEOSCOPE WITH LCD

Used for inspecting difficult-to-reach areas normally hidden from sight. The multi-purpose camera is an economical solution to inspect machinery, facilities and infrastructure in the safest, quickest and most cost-effective manner.

- 9 in. probe
- AV out
- Includes magnet, hook and mirror
- 320 x 240 Pixels image resolution
- 2.4 In. Monitor size

BK **776-1097**

WARNING: Always wear eye and face protection.

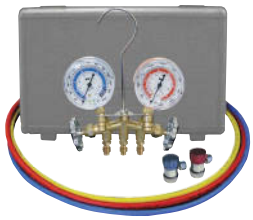
EVERCRAFT

R134A BRASS GAUGE SET

Complete diagnostic and service gauge set for use on R134a automotive A/C systems. Features large easy-to-grip chrome plated handles and high quality brass body with sight glass.

- Hose holders for storage

BK **776-1098**



EVERCRAFT

2.0 CFM VACUUM PUMP

Its single stage rotary vane design provides powerful, quiet, high vacuum capability and ensures moisture removal, while the high pumping capacity reduces evacuation time. Built specifically for A/C and refrigeration service.

- Aluminum housing keeps pump weight low and provides efficient cooling
- Ultimate vacuum: 100 micron
- Inlet ports: 1/2 in. Acme - 1/4 in. Flare
- 1/4 HP, 110V motor
- Intake screen prevents foreign matter from entering the pumping chamber
- Internal exhaust filter separates oil vapor from the exhaust flow
- Rubber feet reduce vibration

BK **776-1099**

EVERCRAFT

A/C FLUSH KIT

Makes flushing contaminants, including sealants & oil from A/C system components fast and easy. It uses shop air to pressurize the solvent and thoroughly clean the system while reducing comebacks by removing debris that can cause compressor failure.

- Simple and effective

BK **776-1100**

EVERCRAFT

OBD2 READ & CLEAR CODES CODE READER

Great entry-level tool for diagnosing check engine problems, inspecting used cars and more. All-in-one screen shows each diagnostic trouble code with red, yellow and green LEDs indicating emissions test readiness and alert of pending problems.

BK **776-1101**

EVERCRAFT

BATTERY RESET TOOL

Battery Plus reset tool allows today's latest vehicles to reset the battery life when replacing batteries. Failure to do so may result in over-charging the new battery leading to shortened life and, in some cases, derivability issues.

- Quick and easy resets for BMW, MINI, VW, Audi, Jaguar, Land Rover, Ford and more
- Multiple language support

BK **776-1102**

EVERCRAFT

VACUUM PUMP OIL

OEM premium vacuum pump oil is an extremely high quality and severely hydrotreated oil. It's compatible for use in pumps made by most manufacturers.

- Changing vacuum pump oil after each use improves service and the life of the pump
- 8 Oz.

BK **776-1103**

EVERCRAFT

COMBUSTION LEAK DETECTOR FLUID

The OEM test fluid for combustion leak detector is designed for use with combustion leak detectors to quickly and easily pinpoint the combustion leaks caused by bad head gaskets and cracked blocks.

BK **776-1104**

3 JAW 2 TON PULLER

2 and 3 jaw reversible 2 ton gear puller is heat treated alloy steel with quick change coupler. Maximum reach of 3 1/2". Maximum speed of 4 3/4". Center forcing screw of 3/8" – 24" x 4 7/8". Reach of 5 1/2", spread of 7".

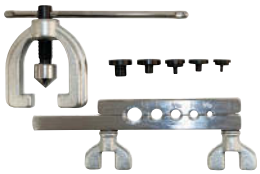
BK **776-8010**

WARNING: Always wear eye and face protection.

Loaner Tools

EVERCRAFT

SOFT STEEL TUBING FLARE KIT



SAE single / double flaring tool set makes smooth fitting, crack-free 45° single or double flares on soft steel, brass or aluminum tubing from 3/16" to 1/2" diameter. Includes (7) adapters, yoke assembly, bar assembly and handle.

BK **776-8011**

EVERCRAFT

BALL JOINT PRESS SET

Ball joint / U-joint press set is designed to remove and replace the ball joints on most vehicles. The C-clamp frame press may also be used to remove and replace U-joints. This set includes 1 removing and 1 installing adapter as well as 3 receiver tubes. Comes in a durable molded plastic case.

BK **776-8012**

EVERCRAFT

PULLEY PULLER

Pulley puller/installer kit fits pulleys with hub diameters measuring 1 1/8", 1 1/4", 1 5/16" and 1 3/8". Includes two screws for use on most Ford, Chrysler, GM and VW power steering pulleys with Saginaw, Thompson, Ford C111 and C2 pumps. Also pulls pulleys on GM belt-driven vacuum pumps and the pressed-on water pump pulleys of GM V6 engines.

BK **776-8013**

EVERCRAFT

FLANGE-TYPE AXLE PULLER

Flange-type axle puller attachment is designed to be used with a slide hammer (*BK* **776-8015**) or any similarly threaded 5/8" x 18". Pulls the axle on most cars and light trucks with flange-type axles.

BK **776-8014**

EVERCRAFT

SLIDE HAMMER KIT

Chrome-plated main shaft for professional look and easy clean up.

BK **776-8015**

EVERCRAFT

STRUT SPRING COMPRESSOR

Strut spring compressor is designed to compress most MacPherson strut spring sizes. Broad spring contact and built-in detent pins help to lock the spring into place for safer spring compression.

- Lubricate the threads of this tool with anti-seize compound to prolong the life of the center screw
- The hooks are forged and the center screw is hardened for long life

BK **776-8016**

EVERCRAFT

FRONT WHEEL DRIVE HUB PULLER

Front wheel drive hub puller use with slide hammer *BK* **776-8015**. Fits most domestic and import vehicles with independent front wheel suspension. Yoke and bolt are threaded 5/8" x 18".

BK **776-8017**

EVERCRAFT

PILOT BEARING PULLER

Pilot bearing puller attachment for use with Evercraft *BK* **776-8015** side hammer or any manufacturer's slide hammer with 5/8" x 18" threads. Puller inserts behind bearing to allow it to be safely hammered out with the slide hammer.

- Also pulls the bearing and bushings on starters and generators

BK **776-8018**

EVERCRAFT

2 & 3 JAW GEAR PULLER

- 5-Ton gear puller
- 2/3 Jaw
- Heat-treated alloy steel
- Quick change coupler
- Maximum reach of 3 1/2"
- Maximum speed of 4 3/4"
- Center forcing screw 3/8" – 24 x 4 7/8"
- Reach of 5 1/2", spread of 7"

BK **776-8020**

EVERCRAFT

BALL JOINT SEPARATOR

Made of steel for long and rough use. Tapered wedge with jaw opening slides between ball joint and steering knuckle. Professional quality. Designed for front end work.

- Separate tie rods the easy way, great for mechanics tool chest, simply position and strike with a hammer

BK **776-8021**

WARNING: Always wear eye and face protection.

EVERCRAFT

WATER PUMP SOCKET
Easily removes or installs water pumps on certain models.
BK **776-8022**

EVERCRAFT

OXYGEN SENSOR SOCKET
Universal slotted socket that will service hex vacuum switches and oxygen sensors.
6-Point socket
BK **776-8023**

EVERCRAFT

DISC BRAKE CALIPER TOOL SET
This disc brake caliper tool set assists in the replacement of brake pads on most 4-wheel disc brake cars. This tool performs two functions, it will force the piston straight back into the caliper as well as rotating the pistons back into the caliper on vehicles with self-adjusting parking brakes.
BK **776-8024**

EVERCRAFT

SERPENTINE BELT TOOL
Services a variety of vehicles equipped with serpentine accessory drive belt. Provides the required leverage and clearance to release the spring pressure and remove the tensioner pulled. Includes long handle and (4) shallow 13, 15, 16 & 18mm sockets. The handle has 3/8 square drive for those jobs requiring extra leverage, 1/2" drive adapter is also included.
BK **776-8025**

EVERCRAFT

AXLE BEARING REMOVER SET
Rear axle bearing remover set used to remove the rear axle bearing.
BK **776-8026**

EVERCRAFT

HARMONIC BALANCER PULLER
Chrysler harmonic puller is used to remove the harmonic damper on most Chrysler/ Mitsubishi engines. Its compact, low-profile design eliminates the need to pull the radiator prior to removing the pulley in most cases. Instructions included.
BK **776-8027**

EVERCRAFT

HARMONIC BALANCER INSTALLER
Harmonic balancer installer is used to properly install harmonic balancers without damage. Chrome-plating and black oxide finish for rust resistance. Includes (9) adapters for the most popular models.
BK **776-8028**

EVERCRAFT

FUEL PUMP REPLACEMENT TOOL KIT
Fuel pump replacement kit for fuel pumps located in the fuel tank of the vehicle. Soft-faced hammer included for striking retainer rings without causing spark. Includes fuel line disconnects for Chrysler, Ford and GM Includes fuel pump module adjustable wrench for Chrysler in-tank fuel pump modules

- Fuel line disconnect tool with work in limited space applications such as GM truck in-tank fuel line
- Non-ferrous punch included for removal of fuel pump retainer rings

BK **776-8029**

WARNING: Always wear eye and face protection.

Loaner Tools

EVERCRAFT

FAN CLUTCH PULLEY HOLDING TOOL

Adjustable fan clutch holding tool aids in changing the fan clutch by holding the pulley. Fits many GM, Ford and Dodge vehicles. Also holds camshaft pulley when replacing cam belt.

BK **776-8030**

EVERCRAFT

CRANKSHAFT DAMPER HOLDING TOOL

- Holds crankshaft damper when tightening/loosening crankshaft bolt on Honda and Acura engines.
- Chrome molybdenum steel for toughness

BK **776-8031**

EVERCRAFT

STEERING WHEEL PULLER KIT

Used to pull steering wheels on all major makes of automobiles. Includes yoke, pressure screw and 5 sets of pulling screws with washers and swivel.

BK **776-8032**

EVERCRAFT

7-TON REVERSIBLE PULLER

7-Ton capacity, 2/3 jaws. Use to pull gears up to 7" spread.

BK **776-8033**

EVERCRAFT

3-LEGGED PULLER

2/3 Jaw puller attachment for *BK* **776-8015**. Use this puller attachment with Evercrafts slide hammer *BK* **776-8015**. Reach of ½ in., spread of 3 in.

BK **776-8034**

EVERCRAFT

INNER TIE ROD TOOL

Inner tie rod tool is used to service inner tie rods on rack and pinion steering assemblies.

BK **776-8035**

EVERCRAFT

FAN CLUTCH WRENCH SET

This 5-piece set includes 9 sizes: 36, 40, 48, 54, 57, 68, 72, 76 and 83mm wrench sizes.

BK **776-8036**

HARMONIC BALANCER PULLER

3 Black oxide plated ⅜" x 2" fine 24 pitch bolts, 3 nickel-plated 5/16" x 2" 18 coarse pitch bolts, 3 yellow-plated MB 1.25 x 80mm metric bolts, 3 black oxide-plated ⅜" x 16 x 4" coarse bolts, bolts for GM 3300 and 3800 V8 engines.

BK **776-8037**

EVERCRAFT

COIL SPRING COMPRESSOR

Use for shock replacement and other suspension repairs.

BK **776-8038**

WARNING: Always wear eye and face protection.

EVERCRAFT

CAM CLAMP TOOL KIT

Covers single, twin cam and quad cam engines. Locks camshafts to hold valves in correct timing. Compact design for small engine compartments. Comed in a plastic storage tray with instructions.

BK **776-8039**

EVERCRAFT

AXLE NUT SOCKETS

6-Point design for removal and installation of axle nuts on specific vehicles. Chrome vanadium steel.

BK **776-8040**

EVERCRAFT

O2 SENSOR WRENCH

Sensor wrench has a special purpose, universal slotted socket that will service hex vacuum switches and oxygen sensors. Chrome vanadium steel for toughness and swivel head for maneuverability. Chrome-plating for easy cleanup and professional look. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8069**

EVERCRAFT

A/C CLUTCH HOLDING TOOL

A/C tool holds compressor clutch in place when removing holding bolt. Adjust pins to fit holes in clutch. Prevents clutch plate from turning when moving the shaft nut. Designed for GM R-4 compressors, but will fit other GM, Pitts, Warner and Ogura clutches.

BK **776-8070**

EVERCRAFT

PITMAN ARM PULLER

Pitman arms used for pulling. Heat-treated frame for strength and durability. Pressure screw has ball head designed for striking. Comes fully assembled.

BK **776-8071**

⚠ **WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

VALVE SPRING COMPRESSOR

Remove the valve spring keepers and springs without having to remove the cylinder head. Compressor adjusts to fit the springs of most cars. Features sliding T-handle for close clearances. Rust resistant finish.

BK **776-8072**

EVERCRAFT

FUEL LINE DISCONNECT

Long reach for hard to get at places. Non-sparking plastic fiberglass material. Color-coded red is 5/16", blue is 3/8". Instructions included. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8073**

EVERCRAFT

HEAVY-DUTY TUBING BENDER

Heavy duty tubing bender is used to make left, right and offset bends up to 90° in aluminum, copper and stainless steel tubing. Designed for professional auto mechanics and heavy-duty applications. Tubing bender is lightweight for easy handling.

BK **776-8074**

EVERCRAFT

FUEL PRESSURE TEST KIT

Fuel pressure test kit is used to test fuel pressure and to perform basic electrical tests. Kit features test gauge, boot and hoses, GM TBI adapter, dual manifold and Ford Schrader adapter. Also contains multimeter, 9 Volt DC battery, black and red multimeter clips, multimeter leads, M8 x 1 banjo bolt, M12 x 1.25 banjo bolt, 5/16" hose clamp, 5/16" x 3" hose, 1/4" hose clamp and 1/4" x 2" hose. Comes in a sturdy blow-molded storage case. Designed for professional auto-mechanics and heavy-duty applications.

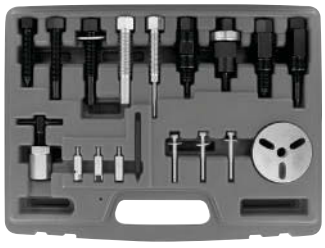
BK **776-8075**

⚠ **WARNING: This product can expose you to chemicals, including DEHP, which is known to the State of California to cause cancer or reproductive defects. For more information, go to www.P65Warnings.ca.gov.**

EVERCRAFT

A/C CLUTCH TOOL KIT

A/C clutch tool kit is for removal and installation of A/C compressor clutches for Ford, Chrysler and GM vehicles. Comes in a sturdy molded plastic storage carry case.



BK **776-8076**

WARNING: Always wear eye and face protection.

Loaner Tools

EVERCRAFT™

1/2 IN. DR. MICROMETER CLICK-STYLE TORQUE WRENCH

Micrometer type torque wrench features a reversible ratchet head. Desired torque level is indicated by feel and sound. Click-style torque wrench has 25-250 ft-lbs. capacity. Torque is right hand only. Chrome-plated to protect from rust. Knurled adjustment handle for easy grip adjustment. Torque lock knob for accurate measurement. Scale is exposed. Positive lock with spring loaded pull down lock ring.

BK **776-8077**

EVERCRAFT™

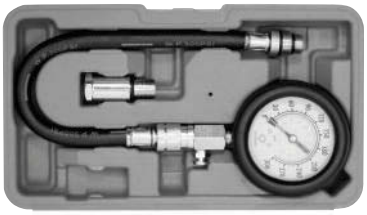
BEARING RACE INSTALLATION KIT

This 10 piece kit is used to install most standard wheel bearing races. Includes a driver handle plus 9 popular bearing and seal drivers ranging from 1.565" to 3.18". Comes in a durable molded plastic storage/carrying case. Designed for professional auto mechanics and heavy-duty applications. Includes instructions and part diagram.

BK **776-8079**

EVERCRAFT™

ENGINE COMPRESSION TEST KIT



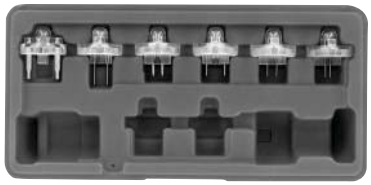
Used to determine engine's mechanical condition by testing compression through the spark plug ports. Kit includes gauge, hose and a 14-18mm adapter in a sturdy blow-molded plastic carrying case. Compression: 0-300 PSI. Designed for the professional auto mechanics and heavy-duty applications.

BK **776-8080**

⚠ **WARNING: This product can expose you to chemicals, including DEHP, which is known to the State of California to cause cancer or reproductive defects. For more information, go to www.P65Warnings.ca.gov.**

EVERCRAFT™

6 PC. NOID LIGHT SET



Noid light set is used for checking electrical impulses from the wiring harness to the fuel injectors. Light features a see-through design to check electrical pulses. Includes GM TBI, GM SCPI, GM PFI, Ford TBI, Geo TBI and Bosch PFI. Comes in a sturdy blow-molded storage case and includes instructions and parts diagram. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8081**

EVERCRAFT™

3 PC. TOYOTA CAP WRENCH SET

Cap wrench covers some Toyota and Lexus vehicles with factory filters. Removes the cartridge-style caps without damage. Use in conjunction with socket or wrench. Oil Filter Tool Drive Size: 7/8" (22mm). Fits oil filter sizes 64mm x 14, 73mm x 14 and 74mm x 14. Includes storage case.

BK **776-8082**

WARNING: Always wear eye and face protection.

Air Tools 250-259
Corded Tools 304-308
Cordless Tools 289-303
Drill Bits 316-317
Driver Bits 308-310
Hole Saws 311
Impact Sockets 260-289
Saw Blades 312-315

CARLYLE TOOLS by NAPA

3/8 IN. DR. STUBBY IMPACT WRENCH

- Variable speed throttles give user ultimate control in feather throttle applications
- High performance power to weight ratio producing 500 ft-lbs. breakaway torque while weighing only 2.2 lbs.
- Positive touch comfort grip makes this tool easy to work with for extended periods of time
- One piece motor design delivers smooth/stable torque output
- Durable jumbo hammer impact mechanism delivers powerful torque in a small size
- One hand forward reverse mechanism can be easily switched for both left and right hand use
- Three position speed regulator allows technician to control power output in the forward direction
- Clutch housing trigger guide provides a smooth consistent trigger pull
- Overall length of 4¼" provides easier access to confined areas such as exhaust manifold bolts

NPT **6-1084**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3/8 IN. DR. PRO POWER SERIES SUPER-DUTY AIR IMPACT WRENCHES

- NAPA's most powerful ⅜" drive impact gun
- 2-Year warranty

Item No.	Description
NPT **6-1122**	Impact Wrench
NPT **6-1139**	Protective Boot

⚠ **WARNING: (*NPT* 6-1122) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-1139) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DEWALT

3/8 IN. DR. IMPACT WRENCH

DEW **DWMT70775**

3/8 IN. DR. AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1122**	25-350	500	11,500	4.5	18	5.75	2.4	¼"
NPT **6-1084**	25-350	550	9,000	3.2	4.5	4.25	2.2	¼"
DEW **DWMT70775**	425	300	11,000	4	17	6	3 lbs.	¼"

CARLYLE TOOLS by NAPA

TORQUE DOMINATOR ™

WEIGHS LESS THAN 4 LBS.

1200 ft-lbs. BREAKAWAY TORQUE

1/2 IN. DR. PRO POWER SERIES SUPER-DUTY AIR IMPACT WRENCHES

- 2-Year warranty

Item No.	Description
NPT **6-1123**	Impact Wrench
NPT **6-1140**	Protective Boot

⚠ **WARNING: (*NPT* 6-1123) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-1140) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. SUPER-DUTY IMPACT WRENCHES

- 1-Year over the counter warranty

NPT **6-767** Impact Wrench

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

For ½" Drive Air Impact Wrench Specifications see page 251

WARNING: Always wear approved eye protection when using power tools.

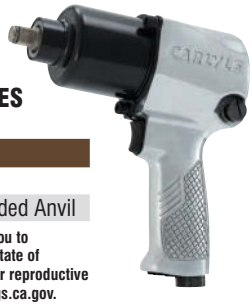
CARLYLE TOOLS by NAPA

1/2 IN. DR. AIR IMPACT WRENCH
NPT **6-2610**

DEWALT

1/2 IN. DR. IMPACT WRENCH
DEW **DWMT70773L**

CARLYLE TOOLS by NAPA



1/2 IN. DR. HEAVY-DUTY TWIN HAMMER IMPACT WRENCHES

- 1-Year warranty

Item No.	Description
NPT **6-231**	Impact Wrench
NPT **6-232**	With 4" (101.6mm) Extended Anvil

⚠ **WARNING: (*NPT* 6-232) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-232) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DEWALT

1/2 IN. DR. IMPACT WRENCH
DEW **DWMT70774**

CARLYLE TOOLS by NAPA | 600 FT-LBS BREAKAWAY TORQUE

1/2 IN. DR. SNUB NOSE IMPACT WRENCH WITH COMPOSITE HOUSING

- Variable speed throttles give user ultimate control in feather throttle applications
- High performance power to weight ratio producing 600 ft-lbs. breakaway torque while weighing only 2.2 lbs.
- Positive touch comfort grip makes this tool easy to work with for extended periods of time
- One piece motor design delivers smooth/stable torque output
- Durable jumbo hammer impact mechanism delivers powerful torque in a small size
- One hand forward reverse mechanism can be easily switched for both left and right hand use
- Three position speed regulator allows technician to control power output in the forward direction
- Clutch housing trigger guide provides a smooth consistent trigger pull
- Overall length of 4¼" provides easier access to confined areas such as exhaust manifold bolts
- 2-Year warranty

NPT **6-1083**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

1/2 IN. DR. AIR IMPACT WRENCH
BK **776-6634**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. DR. AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1123**	50-700	800	7,500	4.9	27	6.875	4.0	1/4"
NPT **6-767**	40-350	550	7,500	4.7	22	8.2	5.7	1/4"
NPT **6-2610**	1,450	837	8,200	4.9	—	7	4.3	1/4"
NPT **6-231**	25-400	650	8,000	4.2	22	7.1	5.64	1/4"
NPT **6-232**	25-350	600	8,000	4.2	22	9.4	6.1	1/4"
NPT **6-1083**	25-420	600	10,000	4	4.5	4.25	2.2	1/4"
DEW **DWMT70773L**	925	650	7,500	5.9	20	6"	4.63 lbs	1/4"
DEW **DWMT70774**	850	600	7,300	5.1	20	5.5"	4.5 lbs	1/4"
BK **776-6634**	—	230	6,000	4	—	—	5 lbs	1/4"

WARNING: Always wear approved eye protection when using power tools.

Air Impact Wrenches

3/4 IN. DR. PRO POWER SERIES SUPER-DUTY AIR IMPACT WRENCHES

- 2-Year warranty

Item No.	Description
NPT **6-1125**	Impact Wrench
NPT **6-1126**	Impact Wrench with 6" (152mm) Extended Anvil
NPT **6-1141**	Protective Boot

WARNING: (*NPT* 6-1125 and *NPT* 6-1126) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: (*NPT* 6-1141) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

3/4 IN. DR. SUPER-DUTY IMPACT WRENCHES

- 1-Year over the counter warranty

Item No.	Description
NPT **6-768**	Impact Wrench
NPT **6-1071**	With 7.25" (184mm) Extended Anvil

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3/4 IN. DR. IMPACT WRENCH

DEW **DWMT74271**

3/4 IN. DR. AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1125**	100-1,000	1,800	6,000	6.9	27	8.0	6.88	3/8"
NPT **6-1126**	100-1,000	1,800	6,000	6.9	27	16.18	8.76	3/8"
NPT **6-768**	1,100	1,600	5,500	7.2	37	8.875	11.2	1/2"
NPT **6-1071**	200-880	1,080	5,500	7.0	26	15.125	13.2	3/8"
DEW **DWMT74271**	1,425	1,000	6,200	7	26	8"	11 lbs.	1/4"

1 IN. DR. AIR IMPACT WRENCH

Item No.	Description
NPT **6-709**	Impact Wrench
NPT **6-710**	w/ 6 in. Extended Anvil

1 IN. DR. IMPACT WRENCH W/ 9 IN. ANVIL

- 1-Year warranty

NPT **6-1137**

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. PRO POWER SERIES IMPACT WRENCH W/8 IN. ANVIL

- 2-Year warranty

NPT **6-1138**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1 IN. DR. AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-709**	2,000	2,700	6,000	7.5	—	10.25	12.7	1/2"
NPT **6-710**	1,800	1,500	6,000	7.5	—	16.4	14.52	1/2"
NPT **6-1137**	650-1,600	1,600	4,000	12	56	22	25.74	1/2"
NPT **6-1138**	300-1,850	2,000	5,000	10.8	56	21.52	27.53	1/2"

WARNING: Always wear approved eye protection when using power tools.

1/4 IN. DR. MINI AIR RATCHET
- 1-Year warranty

NPT **6-1129**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. PRO POWER AIR RATCHET
- Full cage gearing for added torque
- 2-Year warranty

NPT **6-1127**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. PRO POWER IMPACTING AIR RATCHET
- Reactionless design adsorbs kick back
- 2-Year warranty

NPT **6-1132**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3/8 IN. DR. SUPER-DUTY AIR RATCHET
- 1-Year warranty

NPT **6-724**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

3/8 IN. DRIVE AIR RATCHET
DEW **DWMT70776L**

3/8 IN. DR. AIR RATCHET
- 1-Year warranty

BK **776-6108**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. DR. PRO POWER AIR RATCHET
- Full cage gearing for added torque and durability
- 2-Year warranty

NPT **6-1128**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/4 IN., 3/8 IN. AND 1/2 IN. DR. AIR RATCHET SPECIFICATIONS

Item No.	Drive Size	Torque Range Average (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1129**	1/4"	5-25	270	3.22	20	7.36	1.33	1/4"
NPT **6-1127**	3/8"	30-100	200	4.9	27	12.4	3.39	1/4"
NPT **6-1132**	3/8"	5-55	300	4.06	23	11.42	3.1	1/4"
NPT **6-724**	3/8"	5-70	200	3.25	22	10.3125	2.58	1/4"
DEW **DWMT70776L**	3/8"	5-25	270	3.22	20	7.36	1.33	1/4"
BK **776-6108**	3/8"	5-45	160	4	22	8.9	2.8	1/4"
NPT **6-1128**	1/2"	30-100	200	4.9	29	12.4	3.42	1/4"

WARNING: Always wear approved eye protection when using power tools.

Air Hammers

HEAVY-DUTY LONG-BARREL AIR HAMMER

Item No.	Description
NPT **6-1012**	Heavy-Duty Long-Barrel Air Hammer
NPT **6-5124**	Replacement Quick-Change Chisel Retainer

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AIR CHISEL HAMMER

Includes 3 Chisels

DEW **DWMT70785**

ANTI-VIBRATION LONG-BARREL AIR HAMMER

NPT **6-1080**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AIR HAMMER

BK **776-9275**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MEDIUM-DUTY AIR HAMMER

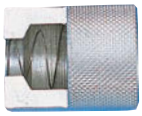
Item No.	Description
NPT **6-1020**	Air Hammer

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

AIR HAMMER SPECIFICATIONS

Item No.	Chisel Rivet Set Shank (In.)	Bore & Stroke (In.)	Blows Per Minute	Cold Rivet Cap. (Dural)	Cold Rivet Cap. (Steel)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1012**	0.401	3/4 x 3 3/4	2,500	1/4	1/4	18	10.625	5.4	1/4"
NPT **6-1080**	0.401	3/4 x 3 1/2	2,000	1/4	1/4	3.7	10.49	4.6	1/4"
NPT **6-1020**	0.401	11/16 x 2 5/8	3,500	1/4	1/4	12.1	6.75	3.5	1/4"
DEW **DWMT70785**	.401"	3/4"	2,600	1/4"	1/4"	7	6.7"	3.5 lbs	1/4"
BK **776-9275**	0.401	11/16 x 2 5/8	3,500	1/4	3/16	17	6.9	3.5	1/4"

AIR HAMMER ACCESSORIES



NPT **6-5130**

NPT **6-5124**

NPT **6-5120**

NPT **6-5210**

NPT **6-5128**

CHUCK CHISEL HOLDER & RETAINER

Item No.	Description
NPT **6-5130**	Safety Chuck Chisel Holder
NPT **6-5124**	Quick Change Chisel Retainer

⚠ **WARNING: (*NPT* 6-5130) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-5124) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AIR HAMMER RETAINERS

Item No.	Description
NPT **6-5120**	Quick Change Retainer
NPT **6-5210**	Beehive Spring Retainer
NPT **6-5128**	Universal Spring Retainer

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear approved eye protection when using power tools.

CARLYLE TOOLS by NAPA

8-PC. CHISEL SET

For use in air hammer with 0.401" shank. Chisels are made of chrome molybdenum and are 7" long. Chisels are packed in a canvas pouch for protection.

NPT **6-5056**

Contents

Item No.	Description
NPT **6-5030**	Tapered Punch
NPT **6-5040**	Cold Chisel
NPT **6-5060**	Spot Weld Buster
NPT **6-5090**	Deluxe Panel Cutter
NPT **6-5080**	Single Blade Panel Cutter
NPT **6-5010**	Muffler Removal Tool
NPT **6-5020**	Cut-Off and Ripping Tool
NPT **6-5220**	Wide Cold Chisel

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

4-PC. CHISEL SET

For use in air hammer with 0.401" shank. Chisels are made of chrome molybdenum and are 7" long. Chisels are packed in a canvas pouch for protection.

NPT **6-5055**

Contents

Item No.	Description
NPT **6-5030**	Tapered Punch
NPT **6-5040**	Cold Chisel
NPT **6-5060**	Spot Weld Buster
NPT **6-5090**	Deluxe Panel Cutter

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

NPT **6-5140**
NPT **6-5190**
NPT **6-5200**
NPT **6-5220**
NPT **6-5230**
NPT **6-5010**
NPT **6-5090**
NPT **6-5030**
NPT **6-5040**
NPT **6-5050**
NPT **6-5060**

NPT **6-5080**
NPT **6-5020**
NPT **6-5100**
NPT **6-5270**
NPT **6-5280**
NPT **6-5290**
NPT **6-5320**
NPT **6-5330**

AIR HAMMER CHISELS

Item No.	Description
NPT **6-5140**	1" Smoothing Hammer
NPT **6-5190**	Angle Scraper
NPT **6-5200**	Muffler Scraper
NPT **6-5220**	Wide Cold Chisel
NPT **6-5230**	Straight Punch
NPT **6-5010**	Muffler Removal Tool
NPT **6-5090**	Deluxe Panel Cutter

Item No.	Description
NPT **6-5030**	Tapered Punch
NPT **6-5040**	Cold Chisel
NPT **6-5050**	Special Cold Chisel
NPT **6-5060**	Spot Weld Buster
NPT **6-5080**	Single Blade Panel Cutter
NPT **6-5020**	Cutoff & Ripping Tool
NPT **6-5100**	Double Blade Panel Cutter

Item No.	Description
NPT **6-5270**	Tie Rod Separator
NPT **6-5280**	Ball Joint Separator
NPT **6-5290**	Tie Rod Sleeve Breaker
NPT **6-5320**	Outside Muffler Cutter
NPT **6-5330**	Inside Muffler Cutter

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear approved eye protection when using power tools.

Air Grinders

CARLYLE TOOLS by NAPA

1/4 IN. MEDIUM DIE GRINDER

NPT **6-754**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. MINI RIGHT ANGLE DIE GRINDER

Item No.	Description
NPT **6-755**	Die Grinder
NPT **6-761**	27-Pc. Die Grinder Kit includes: *NPT* **6-755** 1/4 In. Mini Right Angle Die, 4 Pc. 2" Surface Sanding Disc, 4 Pc. 3" Surface Sanding Disc, 2" Roloc® Disc Holder, 3" Roloc® Disc Holder, 2 Pc. 1/4" Disc Holder Shank, 1/8" Collet, 2 Pc. Spanner Wrench, 5 Pc. 1/4" Shank Mounted Stone Set, 5 Pc. 1/8" Shank Mounted Stone Set and Blow Molded Case

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MINI METAL DIE GRINDER

NPT **6-2611**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

RIGHT ANGLE MINI METAL DIE GRINDER

NPT **6-2612**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DEWALT

1/4 IN. STRAIGHT DIE GRINDERS

DEW **DWMT70783**

EVERCRAFT™

FULL-SIZE DIE GRINDER

BK **776-0230**

⚠ **WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov./wood.**

EVERCRAFT™

RIGHT-ANGLE DIE GRINDER

BK **776-0232**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIE GRINDER SPECIFICATIONS

Item No.	Wheel/Collet Max. Capacity (In.)	Free Speed RPM	Power (HP)	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-754**	1/4	22,000	0.50	4	15	6.75	1.25	1/4"
NPT **6-755**	1/4	22,000	0.50	3	14	6.3125	1.1	1/4"
NPT **6-2611**	1/4	25,000	—	18	—	—	1.18	1/4"
NPT **6-2612**	1/4	18,000	—	16	—	—	1.18	1/4"
DEW **DWMT70783**	1/4" and 1/8" Collets	25,000	1/2"	4	15	6"	1.24"	1/4"
BK **776-0230**	1/4	20,000	.5	3.5	Not Rated	13 11/16	3.34	1/4"
BK **776-0232**	1/4	20,000	1/4	4	15	6.25	1.25	1/4"

WARNING: Always wear approved eye protection when using power tools.

CARLYLE TOOLS by NAPA

3 IN. UTILITY CUT-OFF TOOL

Item No.	Description
NPT **6-3802**	Cut-Off Tool
NPT **6-2090**	Spark Guard

⚠ **WARNING: (*NPT* 6-3802) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-2090) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DEWALT

CUT-OFF TOOL

DEW **DWMT70784**

EVERCRAFT™

3 IN. CUT-OFF TOOL W/GUARD

BK **776-0233**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CUT-OFF TOOL SPECIFICATIONS

Item No.	Chuck/Wheel Size (In.)	Free Speed RPM	Average Air Cons. (cfm)	At Load (cfm)	Overall Length (In.	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-3802**	3	21000	3.1	25	7.375	1.6	1/4"	3/8"
DEW **DWMT70784**	3"	22,000	4	25	7"	2 lbs.	**1/4"**	**3/8"**
BK **776-0233**	3	20,000	4	25	7.375	1.67	1/4"	3/8"

CARLYLE TOOLS by NAPA

HIGH-SPEED AIR SAW

Item No.	Description
NPT **6-1013**	High-Speed Air Saw - 10,000 Strokes/Min.
NPT **6-5650**	Replacement Blades pack of 10

⚠ **WARNING: (*NPT* 6-1013) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-5650) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RECIPROCATING AIR SAW SPECIFICATIONS

Item No.	Strokes Per Min.	Stroke (In.)	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-1013**	10,000	0.3	1.0	3	9.75	1.8	1/4"	3/8"

CARLYLE TOOLS by NAPA

HEAVY-DUTY AIR METAL SHEARS

NPT **6-701**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

AIR SHEARS SPECIFICATIONS

Item No.	Strokes Per Minute	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-701**	2,600	3.1	17	8.25	2.2	1/4"	3/8"

INDEX

WARNING: Always wear approved eye protection when using power tools.

Air Nibblers, Needle Scalers & Drills

CARLYLE TOOLS by NAPA

HEAVY-DUTY AIR NIBBLER

NPT **6-711**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

AIR NIBBLER SPECIFICATIONS

Strokes Per Minute	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (in.)	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
2,600	3.1	17	8	2.2	1/4"	3/8"

CARLYLE TOOLS by NAPA

PISTOL-GRIP AIR NEEDLE SCALER

Item No.	Description
NPT **6-1050**	Pistol-Grip Needle Scaler
NPT **6-9020**	Set of 19 7" long Needles

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

STRAIGHT AIR NEEDLE SCALER

Item No.	Description
NPT **6-1061**	Straight Needle Scaler
NPT **6-9130**	Set of 12 5" long Needles

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

Item No.	Bore and Stroke (In.)	Blows per Minute	Chisel Rivet Set Shank (In.)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1050**	3/4" x 1 5/8	4,700	0.401	10	12.5	5.3	1/4"
NPT **6-1061**	3/4" x 1 15/8	4,250	—	5	11.375	2.5	1/4"

CARLYLE TOOLS by NAPA

3/8 IN. PRO POWER SERIES RIGHT ANGLE AIR DRILL WITH JACOBS® INDUSTRIAL KEYED CHUCK

NPT **6-1135**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. REVERSIBLE RIGHT-ANGLE AIR DRILL

NPT **6-787**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3/8 IN. REVERSIBLE HEAVY-DUTY AIR DRILL

NPT **6-789**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

DEWALT

3/8 IN. DR. KEYLESS CHUCK REVERSIBLE DRILLS

DEW **DWMT70786L**

For Air Drill Specifications see page 259

WARNING: Always wear approved eye protection when using power tools.

EVERCRAFT

3/8 IN. REVERSIBLE AIR DRILL

BK **776-9264**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/2 IN. REVERSIBLE HEAVY-DUTY AIR DRILL WITH JACOBS® INDUSTRIAL KEYED CHUCK

NPT **6-786**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

chpllenger™

1/2 IN. PRO POWER SERIES AIR DRILL WITH JACOBS® INDUSTRIAL KEYED CHUCK

NPT **6-1136**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

AIR DRILL SPECIFICATIONS

Item No.	Chuck Capacity (In.)	Spindle Thread	Free Speed RPM	Power (HP)	Max. Torque (Ft./Lb.)	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1135**	3/8	3/8"-24	1,400	0.5	3.5	4	17	8.46	3.1	1/4"
NPT **6-789**	3/8	3/8"-24	1,800	0.5	3.2	4	17	7	2.6	1/4"
NPT **6-787**	3/8	3/8"-24	1,600	0.5	3.2	4	17	6.25	2.5	1/4"
DEW **DWMT70786L**	**3/8"**	**3/8"**	2,100	.3	2.4	3.6	16	5"	2.6 lbs	**1/4"**
BK **776-9264**	**3/8**	**3/8**-24	1,800	0.5	3.2	3.5	17	7.76	2.42	**1/4"**
NPT **6-1136**	1/2	1/2"-20	500	0.5	10	4	21	9.25	3.86	1/4"
NPT **6-786**	1/2	3/8"-24	400	0.5	—	4	—	7	3.6	1/4"

CARLYLE TOOLS by NAPA

PRO POWER SERIES IMPACT WRENCH BOOTS

Item No.	Description
NPT **6-1139**	Fits 3/8" Dr. Impact Wrench *NPT* **6-1122**
NPT **6-1140**	Fits 1/2" Dr. Impact Wrench *NPT* **6-1123** and *NPT* **6-1124**
NPT **6-1141**	Fits 3/4" Dr. Impact Wrench *NPT* **6-1125** and *NPT* **6-1126**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

NAPA® AIR TOOL LUBRICANT

Specially-formulated lubricating oil for air tools, cylinders and lubricators. Keeps tools running smoothly. 16 oz.

BK **765-1400**

CARLYLE TOOLS by NAPA

UNIVERSAL AIR INLET Z-SWIVELS

Max. Air Pressure: 90 PSI.

NPT **6-9300** 1/4"
NPT **6-9301** 1/2"

NPT **6-9300**

NPT **6-9301**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1/4 IN. IN-LINE AIR TOOL OILER FITTING

For a clearly visible and precisely metered oil supply. Fits all pneumatic tools and is easily adapted. Pipe Thread: 1/4". Air Pressure: 90 PSI.

NPT **6-9302**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear approved eye protection when using power tools.

CARLYLE TOOLS by NAPA

74 PC. 1/4 IN. DR. 6 PT. MASTER IMPACT SOCKET SET

NPT **61-0110**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-1006**	3/16"
NPT **61-1007**	7/32"
NPT **61-1008**	1/4"
NPT **61-1009**	9/32"
NPT **61-1010**	5/16"
NPT **61-1011**	11/32"
NPT **61-1012**	3/8"
NPT **61-1014**	7/16"
NPT **61-1016**	1/2"
NPT **61-1018**	9/16"
NPT **61-1104**	4mm
NPT **61-1145**	4.5mm
NPT **61-1105**	5mm
NPT **61-1155**	5.5mm
NPT **61-1106**	6mm
NPT **61-1107**	7mm
NPT **61-1108**	8mm
NPT **61-1109**	9mm
NPT **61-1110**	10mm
NPT **61-1111**	11mm
NPT **61-1112**	12mm
NPT **61-1113**	13mm
NPT **61-1114**	14mm
NPT **61-1115**	15mm
Deep Sockets	
NPT **61-1206**	3/16"
NPT **61-1207**	7/32"
NPT **61-1208**	1/4"
NPT **61-1209**	9/32"
NPT **61-1210**	5/16"
NPT **61-1211**	11/32"
NPT **61-1212**	3/8"
NPT **61-1214**	7/16"
NPT **61-1216**	1/2"
NPT **61-1218**	9/16"
NPT **61-1355**	5.5mm
NPT **61-1306**	6mm
NPT **61-1307**	7mm
NPT **61-1308**	8mm
NPT **61-1309**	9mm
NPT **61-1310**	10mm
NPT **61-1311**	11mm
NPT **61-1312**	12mm
NPT **61-1313**	13mm
NPT **61-1314**	14mm
NPT **61-1315**	15mm

Item No.	Socket Size
Swivel Sockets	
NPT **61-1408**	1/4"
NPT **61-1410**	5/16"
NPT **61-1412**	3/8"
NPT **61-1414**	7/16"
NPT **61-1416**	1/2"
NPT **61-1418**	9/16"
NPT **61-1505**	5mm
NPT **61-1555**	5.5mm
NPT **61-1506**	6mm
NPT **61-1507**	7mm
NPT **61-1508**	8mm
NPT **61-1509**	9mm
NPT **61-1510**	10mm
NPT **61-1511**	11mm
NPT **61-1512**	12mm
NPT **61-1513**	13mm
NPT **61-1514**	14mm
NPT **61-1515**	15mm
Internal Star Sockets	
NPT **61-1610**	T10
NPT **61-1615**	T15
NPT **61-1620**	T20
NPT **61-1625**	T25
NPT **61-1627**	T27
NPT **61-1630**	T30
NPT **61-1802**	Extension, 2"
NPT **61-1804**	Extension, 4"
NPT **61-1806**	Extension, 6"
NPT **61-1800**	Universal Joint
NPT **61-1801**	Adapter, 1/4" F x 3/8" M

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

26 PC. 1/4 IN. DR. 6 PT. IMPACT SOCKET SET

NPT **61-0102**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-1006**	3/16"
NPT **61-1007**	7/32"
NPT **61-1008**	1/4"
NPT **61-1009**	9/32"
NPT **61-1010**	5/16"
NPT **61-1011**	11/32"
NPT **61-1012**	3/8"
NPT **61-1014**	7/16"
NPT **61-1016**	1/2"
NPT **61-1018**	9/16"
Deep Sockets	
NPT **61-1208**	1/4"
NPT **61-1209**	9/32"
NPT **61-1210**	5/16"
NPT **61-1211**	11/32"

Item No.	Socket Size
Deep Sockets, Continued	
NPT **61-1212**	3/8"
NPT **61-1214**	7/16"
NPT **61-1216**	1/2"
NPT **61-1218**	9/16"
Swivel Sockets	
NPT **61-1408**	1/4"
NPT **61-1410**	5/16"
NPT **61-1412**	3/8"
NPT **61-1414**	7/16"
NPT **61-1416**	1/2"
NPT **61-1418**	9/16"
NPT **61-1804**	Extension, 4"
NPT **61-1801**	Adapter, 1/4" F x 3/8" M

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

26 PC. 1/4 IN. DR. 6 PT. IMPACT SOCKET SET

NPT **61-0103**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-1155**	5.5mm
NPT **61-1106**	6mm
NPT **61-1107**	7mm
NPT **61-1108**	8mm
NPT **61-1109**	9mm
NPT **61-1110**	10mm
NPT **61-1111**	11mm
NPT **61-1112**	12mm
NPT **61-1113**	13mm
Deep Sockets	
NPT **61-1355**	5.5mm
NPT **61-1306**	6mm
NPT **61-1307**	7mm
NPT **61-1308**	8mm

Item No.	Socket Size
Deep Sockets, Continued	
NPT **61-1309**	9mm
NPT **61-1310**	10mm
NPT **61-1311**	11mm
NPT **61-1312**	12mm
NPT **61-1313**	13mm
Swivel Sockets	
NPT **61-1555**	5.5mm
NPT **61-1506**	6mm
NPT **61-1508**	8mm
NPT **61-1510**	10mm
NPT **61-1512**	12mm
NPT **61-1513**	13mm
NPT **61-1804**	Extension, 4"
NPT **61-1801**	Adapter, 1/4" F x 3/8" M

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear approved eye protection when using power tools.

48 PC. 1/4 IN DR. IMPACT SOCKET SET

- Chrome Molybdenum alloy steel (cr-mo) for exceptional strength and long lasting durability
- High visibility laser etched markings
- SAE & MET in both standard and deep options

APX **84902**

GEARWRENCH

Contents

Description	Size
6-Point SAE Standard Sockets	3/16"- 9/16"
6 Point SAE Deep Sockets	3/16" - 9/16"
6-Point Metric Standard Sockets	4 - 15mm
6 Point Metric Deep Sockets	4 - 15mm

CARLYLE TOOLS by NAPA

SAE *NPT* **61-0100**

MET *NPT* **61-0104**

1/4 IN. DR. 6 PT. IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0100 10 Pc. Std. Set	*NPT* 61-0101 9 Std. Pc. Set	*NPT* 61-0104 10 Pc. Deep Set	*NPT* 61-0105 9 Pc. Deep Set
Standard Sockets					
NPT **61-1006**	3/16"	•			
NPT **61-1007**	7/32"	•			
NPT **61-1008**	1/4"	•			
NPT **61-1009**	9/32"	•			
NPT **61-1010**	5/16"	•			
NPT **61-1011**	11/32"	•			
NPT **61-1012**	3/8"	•			
NPT **61-1014**	7/16"	•			
NPT **61-1016**	1/2"	•			
NPT **61-1018**	9/16"	•			
NPT **61-1104**	4mm				
NPT **61-1145**	4.5mm				
NPT **61-1105**	5mm		•		
NPT **61-1155**	5.5mm				
NPT **61-1106**	6mm		•		
NPT **61-1107**	7mm		•		
NPT **61-1108**	8mm		•		
NPT **61-1109**	9mm		•		
NPT **61-1110**	10mm		•		
NPT **61-1111**	11mm		•		
NPT **61-1112**	12mm		•		
NPT **61-1113**	13mm		•		
NPT **61-1114**	14mm				
NPT **61-1115**	15mm				
Deep Sockets					
NPT **61-1206**	3/16"			•	
NPT **61-1207**	7/32"			•	
NPT **61-1208**	1/4"			•	
NPT **61-1209**	9/32"			•	
NPT **61-1210**	5/16"			•	
NPT **61-1211**	11/32"			•	
NPT **61-1212**	3/8"			•	
NPT **61-1214**	7/16"			•	
NPT **61-1216**	1/2"			•	
NPT **61-1218**	9/16"			•	
NPT **61-1355**	5.5mm				•
NPT **61-1306**	6mm				•
NPT **61-1307**	7mm				•
NPT **61-1308**	8mm				•
NPT **61-1309**	9mm				•
NPT **61-1310**	10mm				•
NPT **61-1311**	11mm				•
NPT **61-1312**	12mm				•
NPT **61-1313**	13mm				•
NPT **61-1314**	14mm				
NPT **61-1315**	15mm				

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

NPT **61-0106**

1/4 IN. DR. 6 PT. SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0106 6 Pc. Set	*NPT* 61-[illegible] 12 Pc. Set
NPT **61-1408**	1/4"	•	
NPT **61-1410**	5/16"	•	
NPT **61-1412**	3/8"	•	
NPT **61-1414**	7/16"	•	
NPT **61-1416**	1/2"	•	
NPT **61-1418**	9/16"	•	
NPT **61-1505**	5mm		•
NPT **61-1555**	5.5mm		•
NPT **61-1506**	6mm		•
NPT **61-1507**	7mm		•
NPT **61-1508**	8mm		•
NPT **61-1509**	9mm		•
NPT **61-1510**	10mm		•
NPT **61-1511**	11mm		•
NPT **61-1512**	12mm		•
NPT **61-1513**	13mm		•
NPT **61-1514**	14mm		•
NPT **61-1515**	15mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-1706** *NPT* **61-1906**

SAE MET

1/4 IN. DR. 6 PT. MAGNETIC IMPACT SOCKETS

Item No.	Socket Size
NPT **61-1706**	3/16"
NPT **61-1707**	7/32"
NPT **61-1708**	1/4"
NPT **61-1709**	9/32"
NPT **61-1710**	5/16"
NPT **61-1711**	11/32"
NPT **61-1712**	3/8"
NPT **61-1714**	7/16"
NPT **61-1716**	1/2"

Item No.	Socket Size
NPT **61-1905**	5mm
NPT **61-1955**	5.5mm
NPT **61-1906**	6mm
NPT **61-1907**	7mm
NPT **61-1908**	8mm
NPT **61-1909**	9mm
NPT **61-1910**	10mm
NPT **61-1911**	11mm
NPT **61-1912**	12mm
NPT **61-1913**	13mm
NPT **61-1914**	14mm
NPT **61-1915**	15mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1/4 IN. DR. INTERNAL STAR IMPACT SOCKETS

Item No.	Socket Size
NPT **61-1610**	T10
NPT **61-1615**	T15
NPT **61-1620**	T20
NPT **61-1625**	T25
NPT **61-1627**	T27
NPT **61-1630**	T30

NPT **61-1610**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. INTERNAL STAR IMPACT SOCKET SET

NPT **61-0108**

Contents

Item No.	Socket Size	Item No.	Socket Size
NPT **61-1610**	1/4" Dr., T10	*NPT* **61-3240**	3/8" Dr., T40
NPT **61-1615**	1/4" Dr., T15	*NPT* **61-3245**	3/8" Dr., T45
NPT **61-1620**	1/4" Dr., T20	*NPT* **61-3247**	3/8" Dr., T47
NPT **61-1625**	1/4" Dr., T25	*NPT* **61-3250**	3/8" Dr., T50
NPT **61-1627**	1/4" Dr., T27	*NPT* **61-3255**	3/8" Dr., T55
NPT **61-1630**	1/4" Dr., T30	*NPT* **61-5460**	1/2" Dr., T60

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-0600**

NPT **61-1802**

NPT **61-1803** *NPT* **61-1800** *NPT* **61-1801**

1/4 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-1803**	Wobble Adapter, 1/4" x 3/8"
NPT **61-3521**	Wobble Adapter, 3/8" x 1/4"
NPT **61-3522**	Wobble Adapter, 3/8" x 1/2"
NPT **61-5322**	Wobble Adapter, 1/2" x 3/8"
NPT **61-5323**	Wobble Adapter, 1/2" x 3/4"
NPT **61-0600**	5 Pc. Wobble Adapter Set. Contains (1) each *NPT* **61-1803**, *NPT* **61-3521**, *NPT* **61-3522**, *NPT* **61-5322** and *NPT* **61-5323**
NPT **61-1802**	Extension, 2"
NPT **61-1804**	Extension, 4"
NPT **61-1806**	Extension, 6
NPT **61-1800**	Universal Joint, 1/4" x 1/4"
NPT **61-1805**	Socket Drive Size Adapter, 3/8" F x 1/4" M
NPT **61-1801**	Socket Drive Size Adapter, 1/4" F x 3/8" M

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

25 PC. 3/8 IN. DR. 6 PT. IMPACT SOCKET SET

NPT **61-0221**

SAE

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-2010**	5/16"
NPT **61-2012**	3/8"
NPT **61-2014**	7/16"
NPT **61-2016**	1/2"
NPT **61-2018**	9/16"
NPT **61-2020**	5/8"
NPT **61-2022**	11/16"
NPT **61-2024**	3/4"
NPT **61-2026**	13/16"
NPT **61-2028**	7/8"
NPT **61-2030**	15/16"
NPT **61-2032**	1"

Item No.	Socket Size
Deep Sockets	
NPT **61-2210**	5/16"
NPT **61-2212**	3/8"
NPT **61-2214**	7/16"
NPT **61-2216**	1/2"
NPT **61-2218**	9/16"
NPT **61-2220**	5/8"
NPT **61-2222**	11/16"
NPT **61-2224**	3/4"
NPT **61-2226**	13/16"
NPT **61-2228**	7/8"
NPT **61-2230**	15/16"
NPT **61-2232**	1"
NPT **61-3501**	Universal Joint

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

29 PC. 3/8 IN. DR. 6 PT. IMPACT SOCKET SET

NPT **61-0222**

MET

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-2108**	8mm
NPT **61-2109**	9mm
NPT **61-2110**	10mm
NPT **61-2111**	11mm
NPT **61-2112**	12mm
NPT **61-2113**	13mm
NPT **61-2114**	14mm
NPT **61-2115**	15mm
NPT **61-2116**	16mm
NPT **61-2117**	17mm
NPT **61-2118**	18mm
NPT **61-2119**	19mm
NPT **61-2121**	21mm
NPT **61-2122**	22mm

Item No.	Socket Size
Deep Sockets	
NPT **61-2308**	8mm
NPT **61-2309**	9mm
NPT **61-2310**	10mm
NPT **61-2311**	11mm
NPT **61-2312**	12mm
NPT **61-2313**	13mm
NPT **61-2314**	14mm
NPT **61-2315**	15mm
NPT **61-2316**	16mm
NPT **61-2317**	17mm
NPT **61-2318**	18mm
NPT **61-2319**	19mm
NPT **61-2321**	21mm
NPT **61-2322**	22mm
NPT **61-3501**	Universal Joint

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT™

SAE MET

3/8 IN. DR. IMPACT SOCKETS & SET

Sockets are laser-etched, with easy-to-read size markings, plus accessories makes work more convenient. Black phosphate finish for corrosion resistance and anti-rounding radius corners spread force over a larger contact area to extend life of fasteners.

Item No.	Socket Size	*BK* **774-0801** 44 Pc. Set
BK **774-8508**	8mm	•
BK **774-8509**	9mm	•
BK **774-8510**	10mm	•
BK **774-8511**	11mm	•
BK **774-8512**	12mm	•
BK **774-8513**	13mm	•
BK **774-8514**	14mm	•
BK **774-8515**	15mm	•
BK **774-8516**	16mm	•
BK **774-8517**	17mm	•
BK **774-8518**	18mm	•
BK **774-8519**	19mm	•
BK **774-8412**	3/8"	•
BK **774-8414**	7/16"	•
BK **774-8416**	1/2"	•
BK **774-8418**	9/16"	•
BK **774-8420**	5/8"	•
BK **774-8422**	11/16"	•
BK **774-8424**	3/4"	•
BK **774-8430**	15/16"	•
BK **774-8708**	8mm Deep	•
BK **774-8709**	9mm Deep	•
BK **774-8710**	10mm Deep	•
BK **774-8711**	11mm Deep	•
BK **774-8712**	12mm Deep	•
BK **774-8713**	13mm Deep	•
BK **774-8714**	14mm Deep	•
BK **774-8715**	15mm Deep	•
BK **774-8716**	16mm Deep	•
BK **774-8717**	17mm Deep	•
BK **774-8718**	18mm Deep	•
BK **774-8719**	19mm Deep	•
BK **774-8721**	21mm Deep	•
BK **774-8310**	5/16" Deep	•
BK **774-8312**	3/8" Deep	•
BK **774-8314**	7/16" Deep	•
BK **774-8316**	1/2" Deep	•
BK **774-8318**	9/16" Deep	•
BK **774-8320**	5/8" Deep	•
BK **774-8322**	11/16" Deep	•
BK **774-8324**	3/4" Deep	•
BK **774-8476**	6" Impact Extension	•
BK **774-8470**	10" Impact Extension	•
BK **774-8474**	Universal Joint	•

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

Impact Sockets

GEARWRENCH

44 PC. 3/8 IN. DR. IMPACT SOCKET SET

- Chrome Molybdenum alloy steel (cr-mo) for exceptional strength and long lasting durability
- High visibility laser etched markings
- SAE & MET in both standard and deep options

APX **84916N**

Contents

Description	Size
6-Point SAE Standard Sockets	5/16" - 3/4"
6 Point SAE Deep Sockets	5/16" - 3/4"
6-Point Metric Standard Sockets	8 - 19mm
6 Point Metric Deep Sockets	8 - 21mm
6" and 10" Extension, Universal Joint	

CARLYLE TOOLS by NAPA

MET *NPT* **61-0202**

3/8 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0203 13 Pc. Std. Set	*NPT* 61-0202 8 Pc. Std. Set
NPT **61-2107**	7mm	•	
NPT **61-2108**	8mm	•	
NPT **61-2109**	9mm	•	•
NPT **61-2110**	10mm	•	•
NPT **61-2111**	11mm	•	•
NPT **61-2112**	12mm	•	
NPT **61-2113**	13mm	•	•
NPT **61-2114**	14mm	•	•
NPT **61-2115**	15mm	•	•
NPT **61-2116**	16mm	•	
NPT **61-2117**	17mm	•	•
NPT **61-2118**	18mm	•	
NPT **61-2119**	19mm	•	•
NPT **61-2121**	21mm		
NPT **61-2122**	22mm		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

SAE *NPT* **61-0200**

3/8 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0201 12 Pc. Std. Set	*NPT* 61-0200 8 Pc. Std. Set
NPT **61-2010**	5/16"	•	•
NPT **61-2012**	3/8"	•	•
NPT **61-2014**	7/16"	•	•
NPT **61-2016**	1/2"	•	•
NPT **61-2018**	9/16"	•	•
NPT **61-2020**	5/8"	•	•
NPT **61-2022**	11/16"	•	•
NPT **61-2024**	3/4"	•	•
NPT **61-2026**	13/16"	•	
NPT **61-2028**	7/8"	•	
NPT **61-2030**	15/16"	•	
NPT **61-2032**	1"	•	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

NPT 61-0205

NPT 61-0217

SAE MET

3/8 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0217 28 Pc. Deep Set	NPT 61-0205 12 Pc. Deep Set	NPT 61-0204 8 Pc. Deep Set	NPT 61-0207 13 Pc. Deep Set	NPT 61-0206 8 Pc. Deep Set
NPT 61-2210	5/16"	•	•	•		
NPT 61-2212	3/8"	•	•	•		
NPT 61-2214	7/16"	•	•	•		
NPT 61-2216	1/2"	•	•	•		
NPT 61-2218	9/16"	•	•	•		
NPT 61-2220	5/8"	•	•	•		
NPT 61-2222	11/16"	•	•	•		
NPT 61-2224	3/4"	•	•	•		
NPT 61-2226	13/16"	•	•			
NPT 61-2228	7/8"	•	•			
NPT 61-2230	15/16"	•	•			
NPT 61-2232	1"	•	•			
NPT 61-2307	7mm				•	
NPT 61-2308	8mm	•			•	
NPT 61-2309	9mm	•			•	•
NPT 61-2310	10mm	•			•	•
NPT 61-2311	11mm	•			•	•
NPT 61-2312	12mm	•			•	
NPT 61-2313	13mm	•			•	•
NPT 61-2314	14mm	•			•	•
NPT 61-2315	15mm	•			•	•
NPT 61-2316	16mm	•			•	
NPT 61-2317	17mm	•			•	•
NPT 61-2318	18mm	•			•	
NPT 61-2319	19mm	•			•	•
NPT 61-2321	21mm	•				
NPT 61-2322	22mm	•				
NPT 61-3501	Universal Joint					
NPT 61-3500	Adapter, 3/8" F to 1/2" M	•				
NPT 61-3503	Extension, 3"	•				

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

3/8 IN. DR. 6 PT. STANDARD SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0208 7 Pc. Std. Set	NPT 61-0210 10 Pc. Std. Set	NPT 61-0209 7 Pc. Std. Set
NPT 61-2610	5/16"			
NPT 61-2612	3/8"	•		
NPT 61-2614	7/16"	•		
NPT 61-2616	1/2"	•		
NPT 61-2618	9/16"	•		
NPT 61-2620	5/8"	•		
NPT 61-2622	11/16"	•		
NPT 61-2624	3/4"	•		
NPT 61-2626	13/16"			
NPT 61-2710	10mm		•	•
NPT 61-2711	11mm		•	
NPT 61-2712	12mm		•	
NPT 61-2713	13mm		•	•
NPT 61-2714	14mm		•	•
NPT 61-2715	15mm		•	•
NPT 61-2716	16mm		•	•
NPT 61-2717	17mm		•	•
NPT 61-2718	18mm		•	•
NPT 61-2719	19mm		•	
NPT 61-2722	22mm			

SAE MET

NPT 61-0208

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

NPT 61-0211

SAE MET

3/8 IN. DR. 6 PT. DEEP SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0211 7 Pc. Deep Set	NPT 61-0212 10 Pc. Deep Set
NPT 61-2810	5/16"		
NPT 61-2812	3/8"	•	
NPT 61-2814	7/16"	•	
NPT 61-2816	1/2"	•	
NPT 61-2818	9/16"	•	
NPT 61-2820	5/8"	•	
NPT 61-2822	11/16"	•	
NPT 61-2824	3/4"	•	
NPT 61-2826	13/16"		
NPT 61-2910	10mm		•
NPT 61-2911	11mm		•
NPT 61-2912	12mm		•
NPT 61-2913	13mm		•
NPT 61-2914	14mm		•
NPT 61-2915	15mm		•
NPT 61-2916	16mm		•
NPT 61-2917	17mm		•
NPT 61-2918	18mm		•
NPT 61-2919	19mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-3710 NPT 61-3810

SAE MET

3/8 IN. DR. 6 PT. MAGNETIC IMPACT SOCKETS

Item No.	Socket Size	Item No.	Socket Size
NPT 61-3708	1/4"	NPT 61-3809	9mm
NPT 61-3710	5/16"	NPT 61-3810	10mm
NPT 61-3712	3/8"	NPT 61-3811	11mm
NPT 61-3714	7/16"	NPT 61-3812	12mm
NPT 61-3716	1/2"	NPT 61-3813	13mm
NPT 61-3718	9/16"	NPT 61-3814	14mm
NPT 61-3720	5/8"	NPT 61-3815	15mm
NPT 61-3722	11/16"	NPT 61-3816	16mm
NPT 61-3724	3/4"	NPT 61-3817	17mm
NPT 61-3807	7mm	NPT 61-3818	18mm
NPT 61-3808	8mm	NPT 61-3819	19mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-0215

SAE MET

3/8 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0215 12 Pc. Set	NPT 61-0216 13 Pc. Set
NPT 61-2410	5/16"	•	
NPT 61-2412	3/8"	•	
NPT 61-2414	7/16"	•	
NPT 61-2416	1/2"	•	
NPT 61-2418	9/16"	•	
NPT 61-2420	5/8"	•	
NPT 61-2422	11/16"	•	
NPT 61-2424	3/4"	•	
NPT 61-2426	13/16"	•	
NPT 61-2428	7/8"	•	
NPT 61-2430	15/16"	•	
NPT 61-2432	1"	•	
NPT 61-2507	7mm		•
NPT 61-2508	8mm		•
NPT 61-2509	9mm		•
NPT 61-2510	10mm		•
NPT 61-2511	11mm		•
NPT 61-2512	12mm		•
NPT 61-2513	13mm		•
NPT 61-2514	14mm		•
NPT 61-2515	15mm		•
NPT 61-2516	16mm		•
NPT 61-2517	17mm		•
NPT 61-2518	18mm		•
NPT 61-2519	19mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

MET

3/8 IN. DR. 6 PT. STUBBY IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0212MS 12 Pc. Set
NPT 61-2008MS	8mm	•
NPT 61-2009MS	9mm	•
NPT 61-2010MS	10mm	•
NPT 61-2011MS	11mm	•
NPT 61-2012MS	12mm	•
NPT 61-2013MS	13mm	•
NPT 61-2014MS	14mm	•
NPT 61-2015MS	15mm	•
NPT 61-2016MS	16mm	•
NPT 61-2017MS	17mm	•
NPT 61-2018MS	18mm	•
NPT 61-2019MS	19mm	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

SAE

3/8 IN. DR. 6 PT. STUBBY IMPACT SOCKETS & SET

• Up to 25% lower profile than our standard depth sockets

Item No.	Socket Size	NPT 61-0212S 12 Pc. Set
NPT 61-2210S	5/16"	•
NPT 61-2212S	3/8"	•
NPT 61-2214S	7/16"	•
NPT 61-2216S	1/2"	•
NPT 61-2218S	9/16"	•
NPT 61-2220S	5/8"	•
NPT 61-2222S	11/16"	•
NPT 61-2224S	3/4"	•
NPT 61-2226S	13/16"	•
NPT 61-2228S	7/8"	•
NPT 61-2230S	15/16"	•
NPT 61-2232S	1"	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-0213

SAE MET

3/8 IN. DR. HEX BIT IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0213 7 Pc. Set	NPT 61-0214 7 Pc. Set
NPT 61-3006	3/16"	•	
NPT 61-3007	7/32"	•	
NPT 61-3008	1/4"	•	
NPT 61-3010	5/16"	•	
NPT 61-3012	3/8"	•	
NPT 61-3014	7/16"	•	
NPT 61-3016	1/2"	•	
NPT 61-3018	9/16"		
NPT 61-3020	5/8"		
NPT 61-3104	4mm		•
NPT 61-3105	5mm		•
NPT 61-3106	6mm		•
NPT 61-3107	7mm		•
NPT 61-3108	8mm		•
NPT 61-3109	9mm		
NPT 61-3110	10mm		•
NPT 61-3112	12mm		•
NPT 61-3114	14mm		
NPT 61-3116	16mm		
NPT 61-3117	17mm		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-0224

SAE MET

3/8 IN. DR. HEX SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0224 7 Pc. Set	NPT 61-0225 7 Pc. Set
NPT 61-3406	3/16"	•	
NPT 61-3407	7/32"	•	
NPT 61-3408	1/4"	•	
NPT 61-3410	5/16"	•	
NPT 61-3412	3/8"	•	
NPT 61-3414	7/16"	•	
NPT 61-3416	1/2"	•	
NPT 61-3604	4mm		•
NPT 61-3605	5mm		•
NPT 61-3606	6mm		•
NPT 61-3607	7mm		•
NPT 61-3608	8mm		•
NPT 61-3610	10mm		•
NPT 61-3612	12mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

3/8 IN. DR. 12 PT. STANDARD UNIVERSAL IMPACT SOCKET

MET

Item No.	Socket Size
NPT 61-3912	12mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-0218

3/8 IN. DR. INTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0218 9 Pc. Set
NPT 61-3220	T20	•
NPT 61-3225	T25	•
NPT 61-3227	T27	•
NPT 61-3230	T30	•
NPT 61-3240	T40	•
NPT 61-3245	T45	•
NPT 61-3247	T47	•
NPT 61-3250	T50	•
NPT 61-3255	T55	•
NPT 61-0108	12 Pc. 1/4", 3/8", 1/2" Dr. Internal Star Socket Set. Contains 1 of each: NPT 61-1610, NPT 61-1615, NPT 61-1620, NPT 61-1625, NPT 61-1627, NPT 61-1630, NPT 61-3240, NPT 61-3245, NPT 61-3247, NPT 61-3250, NPT 61-3255 & NPT 61-5460	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

Impact Sockets

CARLYLE TOOLS by NAPA

NPT **61-0219**

3/8 IN. DR. EXTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0219** 9 Pc. Set
NPT **61-3304**	E4	
NPT **61-3305**	E5	•
NPT **61-3306**	E6	•
NPT **61-3307**	E7	•
NPT **61-3308**	E8	•
NPT **61-3310**	E10	•
NPT **61-3311**	E11	•
NPT **61-3312**	E12	•
NPT **61-3314**	E14	•
NPT **61-3316**	E16	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

5 PC. 3/8 IN. & 1/2 IN. DR. UNIVERSAL JOINT SET

NPT **61-0220**

Contents

Item No.	Description
NPT **61-3500**	3/8" F x 1/2" M Socket Drive Size Adapter
NPT **61-3501**	3/8" Dr. Universal Joint
NPT **61-5300**	1/2" Dr. Universal Swivel Joint
NPT **61-5301**	1/2" F x 3/8" M Socket Drive Size Adapter,
NPT **61-5302**	1/2" F x 3/4" M Socket Drive Size Adapter

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

NPT **61-3510** *NPT* **61-3521** *NPT* **61-3501** *NPT* **61-3500**

3/8 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-3503**	Extension 3"
NPT **61-3505**	Extension 5"
NPT **61-3510**	Extension, 10"
NPT **61-3515**	Extension, 15"
NPT **61-3520**	4 Pc. Extension Set. Contains (1) each: *NPT* **61-3503**, *NPT* **61-3505**, *NPT* **61-3510** & *NPT* **61-3515**
NPT **61-3521**	Wobble Adapter, 3/8" x 1/4"
NPT **61-3522**	Wobble Adapter, 3/8" x 1/2"
NPT **61-3501**	Universal Joint
NPT **61-3500**	Socket Drive Size Adapter, 3/8" F x 1/2" M

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

GEARWRENCH

IMPACT LOCKING EXTENSION

- Chrome molybdenum alloy steel (cr-mo) for exceptional strength and long lasting durability
- Pin hole for use with pin and o-ring for securing the extensions to the impact wrench
- High visibility laser etched markings

Item No.	Description
APX **84436N**	3/8" Dr., Impact Locking Extension 18"
APX **84437N**	3/8" Dr., Impact Locking Extension 24"
APX **84438N**	3/8" Dr., Impact Locking Extension 33"

CARLYLE TOOLS by NAPA

39 PC. 1/2 IN. DR. 6 PT. MASTER IMPACT SOCKET SET

NPT **61-0303**

SAE

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-4012**	3/8"
NPT **61-4014**	7/16"
NPT **61-4016**	1/2"
NPT **61-4018**	9/16"
NPT **61-4020**	5/8"
NPT **61-4022**	11/16"
NPT **61-4024**	3/4"
NPT **61-4026**	13/16"
NPT **61-4028**	7/8"
NPT **61-4030**	15/16"
NPT **61-4032**	1"
NPT **61-4034**	1 1/16"
NPT **61-4036**	1 1/8"
NPT **61-4038**	1 3/16"
NPT **61-4040**	1 1/4"
NPT **61-4042**	1 5/16"
NPT **61-4044**	1 3/8"
NPT **61-4046**	1 7/16"
NPT **61-4048**	1 1/2"

Item No.	Socket Size
Deep Sockets	
NPT **61-4212**	3/8"
NPT **61-4214**	7/16"
NPT **61-4216**	1/2"
NPT **61-4218**	9/16"
NPT **61-4220**	5/8"
NPT **61-4222**	11/16"
NPT **61-4224**	3/4"
NPT **61-4226**	13/16"
NPT **61-4228**	7/8"
NPT **61-4230**	15/16"
NPT **61-4232**	1"
NPT **61-4234**	1 1/16"
NPT **61-4236**	1 1/8"
NPT **61-4238**	1 3/16"
NPT **61-4240**	1 1/4"
NPT **61-4242**	1 5/16"
NPT **61-4244**	1 3/8"
NPT **61-4246**	1 7/16"
NPT **61-4248**	1 1/2"
NPT **61-5300**	Universal Joint, Ball Type, 1/2"

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

39 PC. 1/2 IN. DR. 6 PT. MASTER IMPACT SOCKET SET

NPT **61-0304**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-4109**	9mm
NPT **61-4110**	10mm
NPT **61-4111**	11mm
NPT **61-4112**	12mm
NPT **61-4113**	13mm
NPT **61-4114**	14mm
NPT **61-4115**	15mm
NPT **61-4116**	16mm
NPT **61-4117**	17mm
NPT **61-4118**	18mm
NPT **61-4119**	19mm
NPT **61-4120**	20mm
NPT **61-4121**	21mm
NPT **61-4122**	22mm
NPT **61-4123**	23mm
NPT **61-4124**	24mm
NPT **61-4126**	26mm
NPT **61-4127**	27mm
NPT **61-4130**	30mm
Deep Sockets	
NPT **61-4309**	9mm
NPT **61-4310**	10mm
NPT **61-4311**	11mm
NPT **61-4312**	12mm
NPT **61-4313**	13mm
NPT **61-4314**	14mm
NPT **61-4315**	15mm
NPT **61-4316**	16mm
NPT **61-4317**	17mm
NPT **61-4318**	18mm
NPT **61-4319**	19mm
NPT **61-4320**	20mm
NPT **61-4321**	21mm
NPT **61-4322**	22mm
NPT **61-4323**	23mm
NPT **61-4324**	24mm
NPT **61-4326**	26mm
NPT **61-4327**	27mm
NPT **61-4330**	30mm
NPT **61-5300**	Universal Joint, Ball Type, 1/2"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT™

1/2 IN. DR. IMPACT SOCKETS & SET

Sockets are laser-etched, with easy-to-read size markings, plus accessories makes work more convenient. Black phosphate finish for corrosion resistance and anti-rounding radius corners spread force over a larger contact area to extend life of fasteners.

Item No.	Socket Size	*BK* **774-0802** 44 Pc. Set
BK **774-8608**	8mm	•
BK **774-8609**	9mm	•
BK **774-8610**	10mm	•
BK **774-8611**	11mm	•
BK **774-8612**	12mm	•
BK **774-8613**	13mm	•
BK **774-8614**	14mm	•
BK **774-8615**	15mm	•
BK **774-8616**	16mm	•
BK **774-8617**	17mm	•
BK **774-8618**	18mm	•
BK **774-8619**	19mm	•
BK **774-8012**	3/8"	•
BK **774-8014**	7/16"	•
BK **774-8016**	1/2"	•
BK **774-8018**	9/16"	•
BK **774-8720**	5/8"	•
BK **774-8722**	11/16"	•
BK **774-8724**	3/4"	•
BK **774-8730**	15/16"	•
BK **774-8808**	8mm Deep	•
BK **774-8809**	9mm Deep	•
BK **774-8810**	10mm Deep	•
BK **774-8811**	11mm Deep	•
BK **774-8812**	12mm Deep	•
BK **774-8813**	13mm Deep	•
BK **774-8814**	14mm Deep	•
BK **774-8815**	15mm Deep	•
BK **774-8816**	16mm Deep	•
BK **774-8817**	17mm Deep	•
BK **774-8818**	18mm Deep	•
BK **774-8819**	19mm Deep	•
BK **774-8821**	21mm Deep	•
BK **774-8910**	5/16" Deep	•
BK **774-8912**	3/8" Deep	•
BK **774-8914**	7/16" Deep	•
BK **774-8916**	1/2" Deep	•
BK **774-8918**	9/16" Deep	•
BK **774-8920**	5/8" Deep	•
BK **774-8922**	11/16" Deep	•
BK **774-8924**	3/4" Deep	•
BK **774-8976**	6" Impact Extension	•
BK **774-8970**	10" Impact Extension	•
BK **774-8974**	Universal Joint	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

NPT **61-0301**

NPT **61-0302**

1/2 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0301 13 Pc. Std. Set	*NPT* 61-0302 14 Pc. Std. Set
NPT **61-4012**	3/8"		
NPT **61-4014**	7/16"	•	
NPT **61-4016**	1/2"	•	
NPT **61-4018**	9/16"	•	
NPT **61-4020**	5/8"	•	
NPT **61-4022**	11/16"	•	
NPT **61-4024**	3/4"	•	
NPT **61-4026**	13/16"	•	
NPT **61-4028**	7/8"	•	
NPT **61-4030**	15/16"	•	
NPT **61-4032**	1"	•	
NPT **61-4034**	1 1/16"	•	
NPT **61-4036**	1 1/8"	•	
NPT **61-4038**	1 3/16"		
NPT **61-4040**	1 1/4"	•	
NPT **61-4042**	1 5/16"		
NPT **61-4044**	1 3/8"		
NPT **61-4046**	1 7/16"		
NPT **61-4048**	1 1/2"		
NPT **61-4109**	9mm		
NPT **61-4110**	10mm		•
NPT **61-4111**	11mm		•
NPT **61-4112**	12mm		•
NPT **61-4113**	13mm		•
NPT **61-4114**	14mm		•
NPT **61-4115**	15mm		•
NPT **61-4116**	16mm		•
NPT **61-4117**	17mm		•
NPT **61-4118**	18mm		•
NPT **61-4119**	19mm		•
NPT **61-4120**	20mm		
NPT **61-4121**	21mm		•
NPT **61-4122**	22mm		•
NPT **61-4123**	23mm		
NPT **61-4124**	24mm		
NPT **61-4126**	26mm		•
NPT **61-4127**	27mm		•
NPT **61-4130**	30mm		

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

NPT **61-8112**

NPT **61-8221**

1/2 IN. DR. 6 PT. STANDARD MAGNETIC IMPACT SOCKETS

Item No.	Socket Size
NPT **61-8112**	3/8"
NPT **61-8114**	7/16"
NPT **61-8116**	1/2"
NPT **61-8118**	9/16"
NPT **61-8120**	5/8"
NPT **61-8122**	11/16"
NPT **61-8124**	3/4"
NPT **61-8126**	13/16"
NPT **61-8128**	7/8"
NPT **61-8130**	15/16"
NPT **61-8132**	1/2"

Item No.	Socket Size
NPT **61-8210**	10mm
NPT **61-8211**	11mm
NPT **61-8212**	12mm
NPT **61-8213**	13mm
NPT **61-8214**	14mm
NPT **61-8215**	15mm
NPT **61-8216**	16mm
NPT **61-8217**	17mm
NPT **61-8218**	18mm
NPT **61-8219**	19mm
NPT **61-8220**	20mm
NPT **61-8221**	21mm

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

29 PC. 1/2 IN. DR. 6 PT. DEEP IMPACT SOCKET SET

NPT **61-0322**

Contents

Item No.	Socket Size
NPT **61-4214**	7/16"
NPT **61-4216**	1/2"
NPT **61-4218**	9/16"
NPT **61-4220**	5/8"
NPT **61-4222**	11/16"
NPT **61-4224**	3/4"
NPT **61-4226**	13/16"
NPT **61-4228**	7/8"
NPT **61-4230**	15/16"
NPT **61-4232**	1"
NPT **61-4234**	1 1/16"
NPT **61-4236**	1 1/8"
NPT **61-4240**	1 1/4"

Item No.	Socket Size
NPT **61-4310**	10mm
NPT **61-4311**	11mm
NPT **61-4312**	12mm
NPT **61-4313**	13mm
NPT **61-4314**	14mm
NPT **61-4315**	15mm
NPT **61-4316**	16mm
NPT **61-4317**	17mm
NPT **61-4318**	18mm
NPT **61-4319**	19mm
NPT **61-4321**	21mm
NPT **61-4322**	22mm
NPT **61-4326**	26mm
NPT **61-4327**	27mm
NPT **61-5701**	Deep Flip, 3/4" x 13/16"
NPT **61-5704**	Flip, 19mm x 21mm

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

1/2 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	*NPT* 61-0336 11 Pc. Set
NPT **61-4126**	26mm	•
NPT **61-4127**	27mm	•
NPT **61-4128**	28mm	•
NPT **61-4129**	29mm	•
NPT **61-4130**	30mm	•
NPT **61-4131**	31mm	•
NPT **61-4132**	32mm	•
NPT **61-4133**	33mm	•
NPT **61-4134**	34mm	•
NPT **61-4135**	35mm	•
—	36mm	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

1/2 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	*NPT* 61-0300 11 Pc. Set
NPT **61-4326**	26mm	•
NPT **61-4327**	27mm	•
NPT **61-4328**	28mm	•
NPT **61-4329**	29mm	•
NPT **61-4330**	30mm	•
NPT **61-4331**	31mm	•
NPT **61-4332**	32mm	•
NPT **61-4333**	33mm	•
NPT **61-4334**	34mm	•
NPT **61-4335**	35mm	•
NPT **61-4336**	36mm	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NPT **61-0307**

1/2 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0307 13 Pc. Set	*NPT* 61-0308 14 Pc. Set
NPT **61-4212**	3/8"		
NPT **61-4214**	7/16"	•	
NPT **61-4216**	1/2"	•	
NPT **61-4218**	9/16"	•	
NPT **61-4220**	5/8"	•	
NPT **61-4222**	11/16"	•	
NPT **61-4224**	3/4"	•	
NPT **61-4226**	13/16"	•	
NPT **61-4228**	7/8"	•	
NPT **61-4230**	15/16"	•	
NPT **61-4232**	1"	•	
NPT **61-4234**	1 1/16"	•	
NPT **61-4236**	1 1/8"	•	
NPT **61-4238**	1 3/16"		
NPT **61-4240**	1 1/4"	•	
NPT **61-4242**	1 5/16"		
NPT **61-4244**	1 3/8"		
NPT **61-4246**	1 7/16"		
NPT **61-4248**	1 1/2"		
NPT **61-4309**	9mm		
NPT **61-4310**	10mm		•
NPT **61-4311**	11mm		•
NPT **61-4312**	12mm		•
NPT **61-4313**	13mm		•
NPT **61-4314**	14mm		•
NPT **61-4315**	15mm		•
NPT **61-4316**	16mm		•
NPT **61-4317**	17mm		•
NPT **61-4318**	18mm		•
NPT **61-4319**	19mm		•
NPT **61-4320**	20mm		
NPT **61-4321**	21mm		•
NPT **61-4322**	22mm		•
NPT **61-4323**	23mm		
NPT **61-4324**	24mm		
NPT **61-4326**	26mm		•
NPT **61-4327**	27mm		•
NPT **61-4330**	30mm		
NPT **61-4332**	32mm		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

1/2 IN. DR. 8 PT. STANDARD IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	NPT 61-0323 11 Pc. Set
NPT 61-5916	1/2"	•
NPT 61-5918	9/16"	•
NPT 61-5920	5/8"	•
NPT 61-5922	11/16"	•
NPT 61-5924	3/4"	•
NPT 61-7026	13/16"	•
NPT 61-5928	7/8"	•
NPT 61-5930	15/16"	•
NPT 61-5932	1"	•
NPT 61-5934	1 1/16"	•
NPT 61-5936	1 1/8"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

1/2 IN. DR. 8 PT. DEEP IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	NPT 61-0332 11 Pc. Set
NPT 61-6916	1/2"	•
NPT 61-6918	9/16"	•
NPT 61-6820	5/8"	•
NPT 61-6922	11/16"	•
NPT 61-6924	3/4"	•
NPT 61-8826	13/16"	•
NPT 61-6928	7/8"	•
NPT 61-6930	15/16"	•
NPT 61-6932	1"	•
NPT 61-6934	1 1/16"	•
NPT 61-6936	1 1/8"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

1/2 IN. DR. 12 PT. STANDARD IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	NPT 61-0333 6 Pc. Set
NPT 61-4438	13/16"	•
NPT 61-4440	1 1/4"	•
NPT 61-4442	1 5/16"	•
NPT 61-4444	1 3/8"	•
NPT 61-4446	1 7/16"	•
NPT 61-4448	1 1/2"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

1/2 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	NPT 61-0335 6 Pc. Set
NPT 61-4638	13/16"	•
NPT 61-4640	1 1/4"	•
NPT 61-4642	1 5/16"	•
NPT 61-4644	1 3/8"	•
NPT 61-4646	1 7/16"	•
NPT 61-4648	1 1/2"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

1/2 IN. DR. 12 PT. STANDARD IMPACT SOCKETS & SETS

NPT **61-0306** SAE MET

Item No.	Socket Size	*NPT* 61-0305 14 Pc. Set	*NPT* 61-0306 13 Pc. Set
NPT **61-4414**	7/16"	•	
NPT **61-4416**	1/2"	•	
NPT **61-4418**	9/16"	•	
NPT **61-4420**	5/8"	•	
NPT **61-4422**	11/16"	•	
NPT **61-4424**	3/4"	•	
NPT **61-4426**	13/16"	•	
NPT **61-4428**	7/8"	•	
NPT **61-4430**	15/16"	•	
NPT **61-4432**	1"	•	
NPT **61-4434**	1 1/16"	•	
NPT **61-4436**	1 1/8"	•	
NPT **61-4438**	1 3/16"	•	
NPT **61-4440**	1 1/4"	•	
NPT **61-4510**	10mm		•
NPT **61-4511**	11mm		•
NPT **61-4512**	12mm		•
NPT **61-4513**	13mm		•
NPT **61-4514**	14mm		•
NPT **61-4515**	15mm		•
NPT **61-4516**	16mm		•
NPT **61-4517**	17mm		•
NPT **61-4518**	18mm		•
NPT **61-4519**	19mm		•
NPT **61-4521**	21mm		•
NPT **61-4522**	22mm		•
NPT **61-4524**	24mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1/2 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SET

MET

Item No.	Socket Size	*NPT* 61-0310 15 Pc. Set
NPT **61-4710**	10mm	•
NPT **61-4711**	11mm	•
NPT **61-4712**	12mm	•
NPT **61-4713**	13mm	•
NPT **61-4714**	14mm	•
NPT **61-4715**	15mm	•
NPT **61-4716**	16mm	•
NPT **61-4717**	17mm	•
NPT **61-4718**	18mm	•
NPT **61-4719**	19mm	•
NPT **61-4720**	20mm	•
NPT **61-4721**	21mm	•
NPT **61-4722**	22mm	•
NPT **61-4723**	23mm	•
NPT **61-4724**	24mm	•
NPT **61-4730**	30mm	
NPT **61-4732**	32mm	
NPT **61-4734**	34mm	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE

1/2 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* 61-0309 15 Pc. Set
NPT **61-4612**	3/8"	•
NPT **61-4614**	7/16"	•
NPT **61-4616**	1/2"	•
NPT **61-4618**	9/16"	•
NPT **61-4620**	5/8"	•
NPT **61-4622**	11/16"	•
NPT **61-4624**	3/4"	•
NPT **61-4626**	13/16"	•
NPT **61-4628**	7/8"	•
NPT **61-4630**	15/16"	•
NPT **61-4632**	1"	•
NPT **61-4634**	1 1/16"	•
NPT **61-4636**	1 1/8"	•
NPT **61-4638**	1 3/16"	•
NPT **61-4640**	1 1/4"	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1/2 IN. DR. 6 PT. EXTRA THIN WALL DEEP IMPACT SOCKETS & SET

SAE MET

Item No.	Socket Size	*NPT* 61-0325 11 Pc. Set
NPT **61-8024**	3/4"	•
NPT **61-8026**	13/16"	•
NPT **61-8028**	7/8"	•
NPT **61-8032**	1"	•
NPT **61-8034**	1 1/16"	•
NPT **61-8017**	17mm	•
NPT **61-8019**	19mm	•
NPT **61-8021**	21mm	•
NPT **61-8022**	22mm	•
NPT **61-8023**	23mm	•
NPT **61-5803**	Extension, 3"	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

SAE

1/2 IN. DR. 6 PT. STUBBY IMPACT SOCKETS & SET

• Over 35% lower profile than our standard depth sockets.

Item No.	Socket Size	*NPT* 61-02011S 11 Pc. Set
NPT **61-2012S**	3/8"	•
NPT **61-2014S**	7/16"	•
NPT **61-2016S**	1/2"	•
NPT **61-2018S**	9/16"	•
NPT **61-2020S**	5/8"	•
NPT **61-2022S**	11/16"	•
NPT **61-2024S**	3/4"	•
NPT **61-2026S**	13/16"	•
NPT **61-2028S**	7/8"	•
NPT **61-2030S**	15/16"	•
NPT **61-2032S**	1"	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

MET

1/2 IN. DR. 6 PT. STUBBY IMPACT SOCKETS & SET

• Over 35% lower profile than our standard depth sockets.

Item No.	Socket Size	*NPT* 61-0215MS 15 Pc. Set
NPT **61-2110MS**	10mm	•
NPT **61-2111MS**	11mm	•
NPT **61-2112MS**	12mm	•
NPT **61-2113MS**	13mm	•
NPT **61-2114MS**	14mm	•
NPT **61-2115MS**	15mm	•
NPT **61-2116MS**	16mm	•
NPT **61-2117MS**	17mm	•
NPT **61-2118MS**	18mm	•
NPT **61-2119MS**	19mm	•
NPT **61-2120MS**	20mm	•
NPT **61-2121MS**	21mm	•
NPT **61-2122MS**	22mm	•
NPT **61-2123MS**	23mm	•
NPT **61-2124MS**	24mm	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-0329**

SAE

1/2 IN. DR. 6 PT. EXTRA LONG IMPACT SOCKETS & SETS

Extra long sockets are 40% longer than the deep sockets.

Item No.	Socket Size	*NPT* 61-0329 5 Pc. Set	*NPT* 61-0330 8 Pc. Set
NPT **61-8410**	5/16"		
NPT **61-8412**	3/8"		
NPT **61-8414**	7/16"		
NPT **61-8416**	1/2"		•
NPT **61-8418**	9/16"		•
NPT **61-8420**	5/8"		•
NPT **61-8422**	11/16"		•
NPT **61-8424**	3/4"		•
NPT **61-8426**	13/16"		•
NPT **61-8428**	7/8"		•
NPT **61-8430**	15/16"		•
NPT **61-8432**	1"	•	
NPT **61-8434**	1 1/16"	•	
NPT **61-8436**	1 1/8"	•	
NPT **61-8438**	1 3/16"		
NPT **61-8440**	1 1/4"	•	
NPT **61-8442**	1 5/16"	•	
NPT **61-8444**	1 3/8"		
NPT **61-8446**	1 7/16"		
NPT **61-8448**	1 1/2"		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE

1/2 IN. DR. 6 PT. HEAVY-DUTY DEEP IMPACT SOCKET

Item No.	Socket Size
NPT **61-8640**	1 1/4"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

NPT **61-0313**

NPT **61-0312**

1/2 IN. DR. 6 PT. STANDARD SWIVEL IMPACT SOCKETS & SETS

SAE MET

Item No.	Socket Size	*NPT* 61-0313 9 Pc. Set	*NPT* 61-0311 7 Pc. Set	*NPT* 61-0312 7 Pc. Set
NPT **61-4814**	7/16"	•		
NPT **61-4816**	1/2"	•	•	
NPT **61-4818**	9/16"	•	•	
NPT **61-4820**	5/8"	•	•	
NPT **61-4822**	11/16"	•	•	
NPT **61-4824**	3/4"	•	•	
NPT **61-4826**	13/16"	•	•	
NPT **61-4828**	7/8"	•	•	
NPT **61-4830**	15/16"	•		
NPT **61-4913**	13mm			•
NPT **61-4914**	14mm			•
NPT **61-4915**	15mm			•
NPT **61-4916**	16mm			•
NPT **61-4917**	17mm			•
NPT **61-4918**	18mm			•
NPT **61-4919**	19mm			•
NPT **61-4921**	21mm			
NPT **61-4922**	22mm			

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-0315**

SAE MET

1/2 IN. DR. 6 PT. DEEP SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0315 10 Pc. Set	*NPT* 61-0314 10 Pc. Set
NPT **61-5012**	3/8"	•	
NPT **61-5014**	7/16"	•	
NPT **61-5016**	1/2"	•	
NPT **61-5018**	9/16"	•	
NPT **61-5020**	5/8"	•	
NPT **61-5022**	11/16"	•	
NPT **61-5024**	3/4"	•	
NPT **61-5026**	13/16"	•	
NPT **61-5028**	7/8"	•	
NPT **61-5030**	15/16"	•	
NPT **61-5110**	10mm		•
NPT **61-5111**	11mm		•
NPT **61-5112**	12mm		•
NPT **61-5113**	13mm		•
NPT **61-5114**	14mm		•
NPT **61-5115**	15mm		•
NPT **61-5116**	16mm		•
NPT **61-5117**	17mm		•
NPT **61-5118**	18mm		•
NPT **61-5119**	19mm		•
NPT **61-5120**	20mm		
NPT **61-5121**	21mm		
NPT **61-5122**	22mm		
NPT **61-5123**	23mm		
NPT **61-5124**	24mm		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE MET

NPT **61-0328**

1/2 IN. DR. 6 PT. SWIVEL HEX IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0327 8 Pc. Set	*NPT* 61-0328 8 Pc. Set
NPT **61-8308**	1/4"	•	
NPT **61-8310**	5/16"	•	
NPT **61-8312**	3/8"	•	
NPT **61-8314**	7/16"	•	
NPT **61-8316**	1/2"	•	
NPT **61-8318**	9/16"	•	
NPT **61-8320**	5/8"	•	
NPT **61-8324**	3/4"	•	
NPT **61-8506**	6mm		•
NPT **61-8507**	7mm		•
NPT **61-8508**	8mm		•
NPT **61-8510**	10mm		•
NPT **61-8512**	12mm		•
NPT **61-8514**	14mm		•
NPT **61-8517**	17mm		•
NPT **61-8519**	19mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

NPT 61-0316

SAE MET

1/2 IN. DR. 6 PT. HEX BIT IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0316 8 Pc. Set	NPT 61-0317 8 Pc. Set
NPT 61-5208	1/4"	•	
NPT 61-5210	5/16"	•	
NPT 61-5212	3/8"	•	
NPT 61-5214	7/16"	•	
NPT 61-5216	1/2"	•	
NPT 61-5218	9/16"	•	
NPT 61-5220	5/8"	•	
NPT 61-5222	11/16"		
NPT 61-5224	3/4"	•	
NPT 61-5226	13/16"		
NPT 61-5306	6mm		•
NPT 61-5307	7mm		•
NPT 61-5308	8mm		•
NPT 61-5309	9mm		
NPT 61-5310	10mm		•
NPT 61-5312	12mm		•
NPT 61-5314	14mm		•
NPT 61-5315	15mm		
NPT 61-5316	16mm		
NPT 61-5317	17mm		•
NPT 61-5318	18mm		
NPT 61-5319	19mm		•
NPT 61-5321	21mm		

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1/2 IN. DR. 6 PT. INTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0318 8 Pc. Set
NPT 61-5430	T30	•
NPT 61-5440	T40	•
NPT 61-5445	T45	•
NPT 61-5447	T47	•
NPT 61-5450	T50	•
NPT 61-5455	T55	•
NPT 61-5460	T60	•
NPT 61-5470	T70	•
NPT 61-0108	12 Pc. 1/4", 3/8", 1/2" Dr. Internal Star Socket Set. Contains 1 of each: NPT 61-1610, NPT 61-1615, NPT 61-1620, NPT 61-1625, NPT 61-1627, NPT 61-1630, NPT 61-3240, NPT 61-3245, NPT 61-3247, NPT 61-3250, NPT 61-3255 & NPT 61-5460	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1/2 IN. DR. 6 PT. EXTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0319 9 Pc. Set
NPT 61-5510	E10	•
NPT 61-5511	E11	•
NPT 61-5512	E12	•
NPT 61-5514	E14	•
NPT 61-5516	E16	•
NPT 61-5518	E18	•
NPT 61-5520	E20	•
NPT 61-5522	E22	•
NPT 61-5524	E24	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1/2 IN. DR. EXTERNAL STAR PLUS IMPACT SOCKETS & SET

Forged from high quality chrome molybdenum alloy steel, heat treated for longer life and chamfered openings for faster socket fit over fastener.

Item No.	Size	NPT 61-0334 3 Pc. Set
NPT 61-5520P	EP20	•
NPT 61-5522P	EP22	•
NPT 61-5524P	EP24	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-5711

SAE MET

1/2 IN DR. 6 PT. FLIP IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-5711 4 Pc. Set	NPT 61-5703 2 Pc. Set
NPT 61-5705	Deep Flip, 17mm x 21mm		
NPT 61-5704	Deep Flip, 19mm x 21mm		
NPT 61-5701	Deep Flip, 3/4" x 13/16"		
NPT 61-5708	Deep Flip, 19mm x 21mm	•	
NPT 61-5710	Deep Thin Wall Flip, 1" x 13/16"		
NPT 61-5706	Deep Thin Wall Flip, 3/4" x 13/16"	•	•
NPT 61-5709	Deep Thin Wall Flip, 7/8" x 15/16"	•	
NPT 61-5702	Shallow Flip, 19mm x 21mm		
NPT 61-5700	Shallow Flip, 3/4" x 13/16"		
NPT 61-5712	Shallow Flip, 17mm x 19mm		
NPT 61-5803	Extension, 3"	•	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

1/2 IN. DR. UNIVERSAL HEX IMPACT SOCKETS

Item No.	Socket Size
NPT **61-8308**	1/4"
NPT **61-8310**	5/16"
NPT **61-8312**	3/8"
NPT **61-8314**	7/16"
NPT **61-8316**	1/2"
NPT **61-8318**	9/16"
NPT **61-8320**	5/8"
NPT **61-8324**	3/4"
NPT **61-8506**	6mm
NPT **61-8507**	7mm
NPT **61-8508**	8mm
NPT **61-8510**	10mm
NPT **61-8512**	12mm
NPT **61-8514**	14mm
NPT **61-8517**	17mm
NPT **61-8519**	19mm

NPT **61-8308**

SAE MET

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

Ken-Tool
WHEREVER TIRES ARE CHANGED™

3 PC. 1/2 IN. DR. THIN-WALL FLIP IMPACT SOCKET SET

One end is a standard 6-point socket for everyday use. Flip socket over and you have a 6-point socket of larger size. Drive 1/2". Weight 1.2 lbs. (.54 kg.)

Socket sizes:

- 19mm-21mm socket
- 3/4"-13/16" socket
- 3" extension

SPC **30110**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ken-Tool
WHEREVER TIRES ARE CHANGED™

SPC **30156**

SPC **30158**

DEEP THIN-WALL FLIP IMPACT SOCKETS

Black, 1/2" square drive, square impact socket is deep and thin walled to reach areas conventional sockets will not. Flip socket provides two socket sizes which cover virtually all SAE automotive wheel lug sizes. Imported.

Item No.	Description	Drive	Weight
SPC **30156**	3/4", 13/16"	1/2" sq.	.4 lbs. (.18 kg.)
SPC **30158**	19 mm, 21 mm	1/2" sq.	.4 lbs. (.18 kg.)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ken-Tool
WHEREVER TIRES ARE CHANGED™

1/2 IN. DR. UNIVERSAL EMERGENCY WHEEL LOCK REMOVER

Removes wheel locks when the key is lost or misplaced. Tapered socket fits over most car wheel locks. Use soft-faced hammer to drive onto wheel lock. Limited use. Drive 1/2". Weight 1 lbs. (.5 kg.).

SPC **30161**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

EVERCRAFT™

5 PC. 1/2 IN. DR. THIN WALL IMPACT SOCKETS

Protective sleeves and plastic inserts prevent scratching of wheels and lug nuts while the hollow design allows room for removing longer bolts. Color coded for easy identification. 1/2" Drive 6 pt. sockets. 17 mm, 19 mm (3/4"), 21 mm, 13/16", 7/8" sockets in a blow molded case.

BK **776-0021**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/2 IN. DR. 6 PT. WHEEL LOCK REMOVAL IMPACT SOCKETS & SET

Item No.	Description	*NPT* **61-0321** 9 Pc. Set
NPT **61-8401**	Ford & Chrysler Hubcap Locks	•
NPT **61-8402**	Ford Wheel Locks	•
NPT **61-8403**	Corvette, GM N & F Body Wheel Locks	•
NPT **61-8404**	Oversized McGard Wheel Locks	•
NPT **61-8405**	McGard Wheel Locks & GM Hubcap Locks	•
NPT **61-8407**	Chrysler Hubcap Locks	•
NPT **61-8408**	GM Hubcap Locks	•
NPT **61-8409**	GM Spline Hub Cap Locks	•
NPT **61-8406**	Wheel Lock Extractor Punch, 12.7mm dia. x 102mm L	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

Impact Sockets

1/2 IN. DR. 6 PT. WHEEL PROTECTOR IMPACT SOCKETS & SET

Item No.	Description	*NPT* 61-0331 9 Pc. Set
NPT **61-8624**	3/4"	•
NPT **61-8626**	13/16"	•
NPT **61-8628**	7/8"	•
NPT **61-8630**	15/16"	•
NPT **61-8632**	1"	•
NPT **61-8634**	1 1/16"	•
NPT **61-8617**	17mm	•
NPT **61-8619**	19mm	•
NPT **61-8621**	21mm	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **CPSS12107**

1/2 IN. DR. 6 PT. TURBO SOCKETS & SET

Carlyle centrifugal power socket set is a great addition to any tool collection.

- Use as impact sockets without disc and power socket with disc
- Non-slip design protects socket and drives the rounded nut up to 70%
- Socket with disc will provide additional 40% power up to remove nuts or jammed bolts while using CCW direction

Item No.	Size	*NPT* CPSS12107 6Pc. Set
NPT **CPS12117M**	17mm	•
NPT **CPS12119M**	19mm	•
NPT **CPS12121M**	21mm	•
NPT **CPS12122**	11/16"	•
NPT **CPS12124**	3/4"	•
NPT **CPS12126**	13/16"	•
NPT **CPSDISC**	Disc	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SPC **30121**

SPC **30120**

HEAVY-DUTY IMPACT SOCKETS

Special Purpose Impact Sockets
Off-Road Budd, Square, SAE, and Metric

Special 1 1/2" hex deep heavy-duty impact socket designed for outer cap nuts on Budd-style truck wheels. The 1 1/2" hex depth is limited to help prevent socket contact with the wheel. The socket is deep style to eliminate contact with the inner cap nut. Imported.

Item No.	Description	Drive	Weight
Heavy Duty Impact			
SPC **30120**	13/16" sq.	3/4"	1.4 lbs. (.6 kg)
SPC **30149**	13/16" sq.	1"	1.4 lbs. (.6 kg)
Wheel Impact			
SPC **30121**	1 1/2" x 13/16" sq.	3/4"	3.1 lbs (1.4 kg)
SPC **30150**	1 1/2" x 13/16" sq.	1"	3.1 lbs (1.4 kg)
Deep Impact			
SPC **30356**	33 mm deep	6 pt., 3/4"	1.6 lbs (.7 kg)
SPC **30366**	33 mm deep	6 pt., 1"	1.6 lbs (.7 kg)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

HALF-SIZE 1/2 IN. DR. METRIC IMPACT FLIP SOCKETS & SET

Designed with efficiency in the face of even the busiest shops, the Steelman ½ in. Drive Impact Flip Socket and Knockout Bar Set helps save time by doubling the number of fasteners each socket can fit.

- Size information callouts are permanently laser-etched onto the socket's surface
- Sockets and bar are coated with a rust and corrosion resistant black oxide protective finish
- Sockets are made from durable chromoly steel that can withstand high-torque applications
- Socket Sizes: 18.5mm x 19.5mm, 21mm x 21.5mm, 21.5mm x 22.5 and 22mm x 22.5mm
- 6-Points

Item No.	Socket Size	*BK* 60443 5 pc. set
BK **67025**	18.5mm x 19.5mm	•
BK **60230**	21mm x 21.5mm	•
BK **60231**	22mm x 22.5mm	•
BK **60187**	21.5mm x 22.5mm	•
—	Knockout Bar	•

⚠ WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

NPT **61-0320**

MET

1/2 IN DR. 6 PT. SPINDLE NUT IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* **61-0320** 7 Pc. Set	*NPT* **61-0324** 4 Pc. Set
NPT **61-5829**	29mm	•	
NPT **61-5830**	30mm	•	•
NPT **61-5832**	32mm	•	•
NPT **61-5834**	34mm	•	•
NPT **61-5835**	35mm	•	
NPT **61-5836**	36mm	•	•
NPT **61-5838**	38mm	•	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1/2 IN. DR. 6 PT. TIE ROD IMPACT SOCKET

NPT **61-5801**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

5 PC. 3/8 IN. & 1/2 IN. DR. UNIVERSAL JOINT SET

NPT **61-0220**

Contents

Item No.	Description
NPT **61-3500**	3/8" F x 1/2" M Socket Drive Size Adapter
NPT **61-3501**	3/8" Dr. Universal Joint
NPT **61-5300**	1/2" Dr. Universal Swivel Joint
NPT **61-5301**	1/2" F x 3/8" M Socket Drive Size Adapter,
NPT **61-5302**	1/2" F x 3/4" M Socket Drive Size Adapter

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

GEARWRENCH

IMPACT LOCKING EXTENSION

- Chrome molybdenum alloy steel (cr-mo) for exceptional strength and long lasting durability
- Pin hole for use with pin and o-ring for securing the extensions to the impact wrench
- High visibility laser etched markings

Item No.	Description
APX **84651N**	1/2" Dr., Impact Locking Extension 18"
APX **84652N**	1/2" Dr., Impact Locking Extension 24"
APX **84653N**	1/2" Dr., Impact Locking Extension 31"

CARLYLE TOOLS by NAPA

NPT **61-5810** *NPT* **61-5300** *NPT* **61-5322** *NPT* **61-5301**

1/2 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-5820**	4 Pc. Extension Set, Contains (1) each: *NPT* **61-5803**, *NPT* **61-5805**, *NPT* **61-5810** & *NPT* **61-5815**
NPT **61-5803**	Extension, 3"
NPT **61-5805**	Extension, 5"
NPT **61-5810**	Extension, 10"
NPT **61-5815**	Extension, 15"
NPT **61-5824**	Extension, 24"
NPT **61-5837**	Extension, 36"
NPT **61-5300**	Universal Swivel Joint
NPT **61-5322**	Wobble Adapter, 1/2" x 3/8"
NPT **61-5323**	Wobble Adapter, 1/2" x 3/4"
NPT **61-5301**	Socket Drive Size Adapter, 1/2" F x 3/8" M
NPT **61-5302**	Socket Drive Size Adapter, 1/2" F x 3/4" M
NPT **61-5304**	Socket Drive Size Adapter, 3/8" x 36"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

NPT **61-0412**

3/4 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

SAE

Item No.	Socket Size	*NPT* 61-0412 17 Pc. Set	*NPT* 61-0402 11 Pc. Set	*NPT* 61-0400 8 Pc. Set
NPT **61-6020**	5/8"			
NPT **61-6022**	11/16"			
NPT **61-6024**	3/4"		•	
NPT **61-6026**	13/16"		•	
NPT **61-6028**	7/8"		•	
NPT **61-6030**	15/16"		•	
NPT **61-6032**	1"	•	•	•
NPT **61-6034**	1 1/16"	•	•	•
NPT **61-6036**	1 1/8"	•	•	•
NPT **61-6038**	1 3/16"	•	•	
NPT **61-6040**	1 1/4"	•	•	•
NPT **61-6042**	1 5/16"	•		•
NPT **61-6044**	1 3/8"	•		•
NPT **61-6046**	1 7/16"	•		•
NPT **61-6048**	1 1/2"	•	•	•
NPT **61-6050**	1 9/16"	•		
NPT **61-6052**	1 5/8"	•		
NPT **61-6054**	1 11/16"	•		
NPT **61-6056**	1 3/4"	•		
NPT **61-6058**	1 13/16"	•		
NPT **61-6060**	1 7/8"	•		
NPT **61-6062**	1 15/16"	•		
NPT **61-6064**	2"	•		
NPT **61-6066**	2 1/16"			
NPT **61-6068**	2 1/8"			
NPT **61-6070**	2 3/16"			
NPT **61-6072**	2 1/4"			
NPT **61-6074**	2 5/16"			
NPT **61-6076**	2 3/8"			
NPT **61-6078**	2 7/16			
NPT **61-6080**	2 1/2"			
NPT **61-6082**	2 9/16			
NPT **61-6084**	2 5/8"			
NPT **61-6086**	2 11/16"			
NPT **61-6088**	2 3/4"			
NPT **61-6090**	2 13/16"			
NPT **61-6092**	2 7/8"			
NPT **61-6094**	2 15/16"			
NPT **61-6096**	3"			
Square Sockets				
NPT **61-6626**	13/16"		•	
NPT **61-6630**	15/16"			
NPT **61-6926**	H.D. 13/16"			

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE

3/4 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	*NPT* 61-0415 31 Pc. Set
NPT **616020**	5/8"	•
NPT **616022**	11/16"	•
NPT **616024**	3/4"	•
NPT **616026**	13/16"	•
NPT **616028**	7/8"	•
NPT **616030**	15/16"	•
NPT **616032**	1"	•
NPT **616034**	1 1/16"	•
NPT **616036**	1 1/8"	•
NPT **616038**	1 3/16"	•
NPT **616040**	1 1/4"	•
NPT **616042**	1 5/16"	•
NPT **616044**	1 3/8"	•
NPT **616046**	1 7/16"	•
NPT **616048**	1 1/2"	•
NPT **616050**	1 9/16"	•
NPT **616052**	1 5/8"	•
NPT **616054**	1 11/16"	•
NPT **616056**	1 3/4"	•
NPT **616058**	1 13/16"	•
NPT **616060**	1 7/8"	•
NPT **616062**	1 15/16"	•
NPT **616064**	2"	•
NPT **616066**	2 1/16"	•
NPT **616068**	2 1/8"	•
NPT **616070**	2 3/16"	•
NPT **616072**	2 1/4"	•
NPT **616074**	2 5/16"	•
NPT **616076**	2 3/8"	•
NPT **616078**	2 7/16"	•
NPT **616080**	2 1/2"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

SAE

3/4 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Includes carrying case
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	*NPT* **61-0411** 17 Pc. Set
NPT **61-6232**	1"	•
NPT **61-6234**	1 1/16"	•
NPT **61-6236**	1 1/8"	•
NPT **61-6238**	1 3/16"	•
NPT **61-6240**	1 1/4"	•
NPT **61-6242**	1 5/16"	•
NPT **61-6244**	1 3/8"	•
NPT **61-6246**	1 7/16"	•
NPT **61-6248**	1 1/2"	•
NPT **61-6250**	1 9/16"	•
NPT **61-6252**	1 5/8"	•
NPT **61-6254**	1 11/16"	•
NPT **61-6256**	1 3/4"	•
NPT **61-6258**	1 13/16"	•
NPT **61-6260**	1 7/8"	•
NPT **61-6262**	1 15/16"	•
NPT **61-6264**	2"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

5 PC. 3/4 IN. DR. 6 PT. IMPACT SOCKET SET

NPT **61-0406**

Contents

Item No.	Socket Size
Standard Sockets (MM)	
NPT **61-6127**	27mm
NPT **61-6130**	30mm
Deep Sockets (MM)	
NPT **61-6333**	33mm
NPT **61-6335**	35mm
Double Square Sockets	
NPT **61-6917**	17mm

MET

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-6119** *NPT* **61-6147**

MET

3/4 IN. DR. 6 PT. STANDARD IMPACT SOCKETS

Item No.	Socket Size
NPT **61-6119**	19mm
NPT **61-6120**	20mm
NPT **61-6121**	21mm
NPT **61-6122**	22mm
NPT **61-6123**	23mm
NPT **61-6124**	24mm
NPT **61-6125**	25mm
NPT **61-6126**	26mm
NPT **61-6127**	27mm
NPT **61-6128**	28mm
NPT **61-6129**	29mm
NPT **61-6130**	30mm
NPT **61-6132**	32mm
NPT **61-6133**	33mm
NPT **61-6135**	35mm
NPT **61-6136**	36mm
NPT **61-6138**	38mm
NPT **61-6140**	40mm
NPT **61-6141**	41mm
NPT **61-6142**	42mm
NPT **61-6143**	43mm
NPT **61-6144**	44mm
NPT **61-6145**	45mm
NPT **61-6146**	46mm
NPT **61-6147**	47mm
NPT **61-6148**	48mm
NPT **61-6149**	49mm
NPT **61-6150**	50mm
NPT **61-6152**	52mm
NPT **61-6154**	54mm
NPT **61-6155**	55mm
NPT **61-6156**	56mm
NPT **61-6160**	60mm
NPT **61-6163**	63mm
NPT **61-6165**	65mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

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⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

3/4 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

SAE

Item No.	Socket Size	*NPT* 61-0401 8 Pc. Set
NPT **61-6220**	5/8"	
NPT **61-6222**	11/16"	
NPT **61-6224**	3/4"	
NPT **61-6226**	13/16"	
NPT **61-6228**	7/8"	
NPT **61-6230**	15/16"	
NPT **61-6232**	1"	•
NPT **61-6234**	1 1/16"	•
NPT **61-6236**	1 1/8"	•
NPT **61-6238**	1 3/16"	
NPT **61-6240**	1 1/4"	•
NPT **61-6242**	1 5/16"	•
NPT **61-6244**	1 3/8"	•
NPT **61-6246**	1 7/16"	•
NPT **61-6248**	1 1/2"	•
NPT **61-6250**	1 9/16"	
NPT **61-6252**	1 5/8"	
NPT **61-6254**	1 11/16"	
NPT **61-6256**	1 3/4"	
NPT **61-6258**	1 13/16"	
NPT **61-6260**	1 7/8"	
NPT **61-6262**	1 15/16"	
NPT **61-6264**	2"	
NPT **61-6266**	2 1/16"	
NPT **61-6268**	2 1/8"	
NPT **61-6270**	2 3/16"	
NPT **61-6272**	2 1/4"	
NPT **61-6274**	2 5/16"	
NPT **61-6276**	2 3/8"	
NPT **61-6278**	2 7/16"	
NPT **61-6280**	2 1/2"	
NPT **61-6282**	2 9/16"	
NPT **61-6284**	2 5/8"	
NPT **61-6286**	2 11/16"	
NPT **61-6288**	2 3/4"	
NPT **61-6290**	2 13/16"	
NPT **61-6292**	2 7/8"	
NPT **61-6294**	2 15/16"	
NPT **61-6296**	3"	

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

3/4 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

SAE

Item No.	Description	*NPT* 61-0414 29 Pc. Set
NPT **616224**	3/4"	•
NPT **616226**	13/16"	•
NPT **616228**	7/8"	•
NPT **616230**	15/16"	•
NPT **616232**	1"	•
NPT **616234**	1 1/16"	•
NPT **616236**	1 1/8"	•
NPT **616238**	1 3/16"	•
NPT **616240**	1 1/4"	•
NPT **616242**	1 5/16"	•
NPT **616244**	1 3/8"	•
NPT **616246**	1 7/16"	•
NPT **616248**	1 1/2"	•
NPT **616250**	1 9/16"	•
NPT **616252**	1 5/8"	•
NPT **616254**	1 11/16"	•
NPT **616256**	1 3/4"	•
NPT **616258**	1 13/16"	•
NPT **616260**	1 7/8"	•
NPT **616262**	1 15/16"	•
NPT **616264**	2"	•
NPT **616266**	2 1/16"	•
NPT **616268**	2 1/8"	•
NPT **616270**	2 3/16"	•
NPT **616272**	2 1/4"	•
NPT **616274**	2 5/16"	•
NPT **616276**	2 3/8"	•
NPT **616278**	2 7/16"	•
NPT **616280**	2 1/2"	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NPT **61-0403**

3/4 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0403 11 Pc. Set	*NPT* 61-0404 7 Pc. Set
NPT **61-6319**	19mm		
NPT **61-6320**	20mm		
NPT **61-6321**	21mm		
NPT **61-6322**	22mm		
NPT **61-6323**	23mm		
NPT **61-6324**	24mm		
NPT **61-6325**	25mm		
NPT **61-6326**	26mm		
NPT **61-6327**	27mm	•	•
NPT **61-6328**	28mm		
NPT **61-6329**	29mm		
NPT **61-6330**	30mm	•	•
NPT **61-6332**	32mm	•	
NPT **61-6333**	33mm	•	•
NPT **61-6335**	35mm	•	•
NPT **61-6336**	36mm	•	
NPT **61-6338**	38mm	•	
NPT **61-6340**	40mm		
NPT **61-6341**	41mm	•	•
NPT **61-6342**	42mm		
NPT **61-6343**	43mm		
NPT **61-6344**	44mm		
NPT **61-6346**	46mm		
NPT **61-6347**	47mm		
NPT **61-6348**	48mm		
NPT **61-6349**	49mm		
NPT **61-6350**	50mm		
NPT **61-6352**	52mm		
NPT **61-6355**	55mm		
NPT **61-6360**	60mm		
NPT **61-6365**	65mm		
Double Square Sockets			
NPT **61-6917**	17mm	•	•
NPT **61-6920**	20mm	•	
NPT **61-6921**	21mm	•	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

5 PC. 3/4 IN. DR. 6 PT. HEAVY-DUTY IMPACT SOCKET SET

NPT **61-0405**

Contents

Item No.	Socket Size
NPT **61-6234**	Deep, 11/16"
NPT **61-6240**	Deep, 1 1/4"
NPT **61-6248**	Deep, 1 1/2"
NPT **61-6333**	Deep, 33mm
NPT **61-6626**	Square, 13/16"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

3/4 IN. DR. 6 PT. THIN-WALL DEEP IMPACT SOCKETS

Item No.	Socket Size
NPT **61-6834**	11/16"
NPT **61-6836**	1 1/8"
NPT **61-6840**	1 1/4"

NPT **61-6834**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

3/4 IN. DR. 12 PT. THIN-WALL IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* 61-0413 9 Pc. Set
NPT **61-9020**	5/8"	
NPT **61-9022**	11/16"	
NPT **61-9024**	3/4"	•
NPT **61-9026**	13/16"	•
NPT **61-9028**	7/8"	•
NPT **61-9030**	15/16"	•
NPT **61-9032**	1"	•
NPT **61-9034**	1 1/16"	•
NPT **61-9036**	1 1/8"	•
NPT **61-9038**	1 3/16"	•
NPT **61-9040**	1 1/4"	•
NPT **61-9044**	1 3/8"	
NPT **61-9048**	1 1/2"	
NPT **61-9052**	1 5/8"	
NPT **61-9056**	1 3/4"	
NPT **61-9060**	1 7/8"	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-9115**

NPT **61-9126**

3/4 IN. DR. 12 PT. THIN-WALL IMPACT SOCKETS

Item No.	Socket Size	Item No.	Socket Size
NPT **61-9115**	15mm	*NPT* **61-9126**	26mm
NPT **61-9116**	16mm	*NPT* **61-9127**	27mm
NPT **61-9117**	17mm	*NPT* **61-9128**	28mm
NPT **61-9118**	18mm	*NPT* **61-9129**	29mm
NPT **61-9119**	19mm	*NPT* **61-9130**	30mm
NPT **61-9120**	20mm	*NPT* **61-9132**	32mm
NPT **61-9121**	21mm	*NPT* **61-9133**	33mm
NPT **61-9122**	22mm	*NPT* **61-9135**	35mm
NPT **61-9123**	23mm	*NPT* **61-9136**	36mm
NPT **61-9124**	24mm	*NPT* **61-9138**	38mm
NPT **61-9125**	25mm	*NPT* **61-9140**	40mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

3/4 IN DR. 6 PT. EXTRA LONG IMPACT SOCKETS

Extra long sockets are 60% longer than the deep sockets.

Item No.	Socket Size
NPT **61-6726**	13/16"
NPT **61-6734**	1 1/16"
NPT **61-6736**	1 1/8"
NPT **61-6740**	1 1/4"
NPT **61-6648**	1 1/2"
NPT **61-6833**	33mm

NPT **61-6734**

SAE MET

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE

3/4 IN DR. 6 PT. LIMITED DEPTH IMPACT SOCKET

Item No.	Socket Size
NPT **61-6948**	1 1/2"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-0407**

SAE MET

3/4 IN. DR. 6 PT. HEX BIT IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* **61-0407** 5 Pc. Set	*NPT* **61-0408** 5 Pc. Set
NPT **61-6424**	3/4"	•	
NPT **61-6428**	7/8"	•	
NPT **61-6432**	1"	•	
NPT **61-6436**	1 1/8"	•	
NPT **61-6440**	1 1/4"	•	
NPT **61-6514**	14mm		•
NPT **61-6517**	17mm		•
NPT **61-6519**	19mm		•
NPT **61-6522**	22mm		•
NPT **61-6524**	24mm		•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE MET

3/4 IN DR. 6 PT. BUDD WHEEL IMPACT SOCKETS & SET

Item No.	Description	*NPT* **61-0410** 4 Pc. Set
NPT **61-6826**	13/16" x 1 1/2" Budd Wheel	•
NPT **61-6841**	41mm Hex 21mm Combination Budd Wheel	•
—	35mm x 17mm Square Budd Wheel	•
NPT **61-6333**	Deep Socket 33mm	•
NPT **61-6748**	Deep Hex	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-6710**

NPT **61-6704**

NPT **61-6700**

NPT **61-6703**

NPT **61-6701**

3/4 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-6706**	Extension, 6"
NPT **61-6710**	Extension, 10"
NPT **61-6713**	Extension, 13"
NPT **61-6704**	Universal Joint
NPT **61-6700**	Socket Drive Size Adapter, 3/4" F x 1" M
NPT **61-6701**	Socket Drive Size Adapter, 3/4" F x 1/2" M
NPT **61-6703**	Linch Pin with O-Ring

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT **61-3507**

SPINNING 3/8, 1/2 & 3/4 IN. DR. IMPACT SOCKET EXTENSIONS

The most revolutionary impact socket improvement ever! The first of its kind to enter the market, this patented tool features an ergonomic, roller-bearing handle permanently mounted to the extension, which protects hands from friction burns, prevents glove grab, and provides balance when using heavy impact tools.

Item No.	Size
NPT **61-3507**	3/8" Dr.; 7" L.
NPT **61-5808**	1/2" Dr.; 8" L.
NPT **61-6725**	3/4" Dr.; 10" L.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

1 IN. DR. 4 PT. STANDARD IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

Item No.	Description	*NPT* 61-0507 6 Pc. Set
NPT **61-7624**	3/4"	•
NPT **61-7626**	13/16"	•
NPT **61-7628**	7/8"	•
NPT **61-7630**	15/16"	•
NPT **61-7632**	1"	•
NPT **61-7736**	1 1/8"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

1 IN. DR. 6 PT. DEEP IMPACT SOCKET SET

SAE

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener
- Rolling case included

Item No.	Description	*NPT* 61-0509 21 Pc. Set
NPT **61-7324**	3/4"	•
NPT **61-7326**	13/16"	•
NPT **61-7328**	7/8"	•
NPT **61-7330**	15/16"	•
NPT **61-7332**	1"	•
NPT **61-7334**	1 1/16"	•
NPT **61-7336**	1 1/8"	•
NPT **61-7338**	1 3/16"	•
NPT **61-7340**	1 1/4"	•
NPT **61-7342**	1 5/16"	•
NPT **61-7344**	1 3/8"	•
NPT **61-7346**	1 7/16"	•
NPT **61-7348**	1 1/2"	•
NPT **61-7350**	1 9/16"	•
NPT **61-7352**	1 5/8"	•
NPT **61-7354**	1 11/16"	•
NPT **61-7356**	1 3/4"	•
NPT **61-7358**	1 13/16"	•
NPT **61-7360**	1 7/8"	•
NPT **61-7362**	1 15/16"	•
NPT **61-7364**	2"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

1 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SET

- Forged from high quality chrome molybdenum alloy steel
- Radius corner design for better gripping of fastener
- Chamfered openings for faster socket fit over fastener

SAE

Item No.	Description	*NPT* 61-0508 21 Pc. Set
NPT **61-7024**	3/4"	•
NPT **61-7026**	13/16"	•
NPT **61-7028**	7/8"	•
NPT **61-7030**	15/16"	•
NPT **61-7032**	1"	•
NPT **61-7034**	1 1/16"	•
NPT **61-7036**	1 1/8"	•
NPT **61-7038**	1 3/16"	•
NPT **61-7040**	1 1/4"	•
NPT **61-7042**	1 5/16"	•
NPT **61-7044**	1 3/8"	•
NPT **61-7046**	1 7/16"	•
NPT **61-7048**	1 1/2"	•
NPT **61-7050**	1 9/16"	•
NPT **61-7052**	1 5/8"	•
NPT **61-7054**	1 11/16"	•
NPT **61-7056**	1 3/4"	•
NPT **61-7058**	1 13/16"	•
NPT **61-7060**	1 7/8"	•
NPT **61-7062**	1 15/16"	•
NPT **61-7064**	2"	•

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CARLYLE TOOLS by NAPA

SAE MET

8 PC. 1 IN. DR. 6 PT. TRUCK SERVICE IMPACT SOCKET SET

NPT **61-0505**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-7028**	7/8"
NPT **61-7032**	1"
NPT **61-7233**	33mm
Thin Wall Socket	
NPT **61-7634**	1 1/16"
NPT **61-7636**	1 1/8"

Item No.	Socket Size
NPT **61-7640**	1 1/4"
Square Sockets	
NPT **61-7626**	1 3/16"
Limited Depth Sockets	
NPT **61-7648**	1 1/2"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE MET

5 PC. 1 IN. DR. 6 PT. TRUCK SERVICE IMPACT SOCKET SET

NPT **61-0504**

Contents

Item No.	Socket Size
Deep Sockets	
NPT **61-7348**	1 1/2"
NPT **61-7533**	33mm
Square Sockets	
NPT **61-7626**	13/16"

Item No.	Socket Size
Thin Wall Socket	
NPT **61-7636**	1 1/8"
NPT **61-7640**	1 1/4"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE MET

10 PC. 1 IN. DR. 6 PT. HEAVY-DUTY WHEEL IMPACT SOCKET SET

NPT **61-0502**

Contents

Item No.	Socket Size
Thin Wall Deep Sockets	
NPT **61-7634**	1 1/16"
NPT **61-7636**	1 1/8"
NPT **61-7640**	1 1/4"
Deep Sockets	
NPT **61-7332**	1"
NPT **61-7338**	1 3/16"
NPT **61-7356**	1 3/4"

Item No.	Socket Size
NPT **61-7533**	33mm
Square Sockets	
NPT **61-7626**	1 3/16"
NPT **61-7630**	1 5/16"
Limited Depth Sockets	
NPT **61-7848**	1 1/2"

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

SAE

1 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0500** 9 Pc. Set
NPT **61-7024**	3/4"	
NPT **61-7028**	7/8"	
NPT **61-7030**	15/16"	
NPT **61-7032**	1"	•
NPT **61-7034**	1 1/16"	
NPT **61-7036**	1 1/8"	•
NPT **61-7038**	1 3/16"	
NPT **61-7040**	1 1/4"	•
NPT **61-7042**	1 5/16"	
NPT **61-7044**	1 3/8"	•
NPT **61-7046**	1 7/16"	
NPT **61-7048**	1 1/2"	•
NPT **61-7050**	1 9/16"	
NPT **61-7052**	1 5/8"	•
NPT **61-7054**	1 11/16"	
NPT **61-7056**	1 3/4"	•
NPT **61-7058**	1 13/16"	
NPT **61-7060**	1 7/8"	•
NPT **61-7062**	1 15/16"	
NPT **61-7064**	2"	•
NPT **61-7066**	2 1/16"	
NPT **61-7068**	2 1/8"	
NPT **61-7070**	2 3/16"	
NPT **61-7072**	2 1/4"	
NPT **61-7074**	2 5/16"	
NPT **61-7076**	2 3/8"	
NPT **61-7078**	2 7/16"	
NPT **61-7080**	2 1/2"	
NPT **61-7082**	2 9/16"	
NPT **61-7084**	2 5/8"	
NPT **61-7086**	2 11/16"	
NPT **61-7088**	2 3/4"	
NPT **61-7090**	2 13/16"	
NPT **61-7092**	2 7/8"	
NPT **61-7094**	2 15/16"	
NPT **61-7096**	3"	
NPT **61-7098**	3 1/8"	
NPT **61-7100**	3 1/4"	
NPT **61-7108**	3 3/8"	
NPT **61-7112**	3 1/2"	
NPT **61-7116**	3 5/8"	
NPT **61-7120**	3 3/4"	
NPT **61-7124**	3 7/8"	
NPT **61-7128**	4"	
NPT **61-7132**	4 1/8"	
NPT **61-7136**	4 1/4"	
NPT **61-7140**	4 1/2"	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

NPT **61-7219** *NPT* **61-7242**

1 IN. DR. 6 PT. STANDARD IMPACT SOCKETS

Item No.	Socket Size
NPT **61-7219**	19mm
NPT **61-7221**	21mm
NPT **61-7222**	22mm
NPT **61-7223**	23mm
NPT **61-7224**	24mm
NPT **61-7225**	25mm
NPT **61-7226**	26mm
NPT **61-7227**	27mm
NPT **61-7228**	28mm
NPT **61-7229**	29mm
NPT **61-7230**	30mm
NPT **61-7232**	32mm
NPT **61-7233**	33mm
NPT **61-7235**	35mm
NPT **61-7236**	36mm
NPT **61-7238**	38mm
NPT **61-7240**	40mm
NPT **61-7241**	41mm
NPT **61-7242**	42mm
NPT **61-7246**	46mm
NPT **61-7250**	50mm
NPT **61-7252**	52mm
NPT **61-7254**	54mm
NPT **61-7255**	55mm
NPT **61-7256**	56mm
NPT **61-7258**	58mm
NPT **61-7260**	60mm
NPT **61-7265**	65mm
NPT **61-7270**	70mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0501** 8 Pc. Set
NPT **61-7324**	3/4"	
NPT **61-7326**	13/16"	
NPT **61-7328**	7/8"	•
NPT **61-7330**	15/16"	•
NPT **61-7332**	1"	•
NPT **61-7334**	1 1/16"	•
NPT **61-7336**	1 1/8"	•
NPT **61-7338**	1 3/16"	•
NPT **61-7340**	1 1/4"	•
NPT **61-7342**	1 5/16"	
NPT **61-7344**	1 3/8"	
NPT **61-7346**	1 7/16"	
NPT **61-7348**	1 1/2"	•
NPT **61-7350**	1 9/16"	
NPT **61-7352**	1 5/8"	
NPT **61-7354**	1 11/16"	
NPT **61-7356**	1 3/4"	
NPT **61-7358**	1 13/16"	
NPT **61-7360**	1 7/8"	
NPT **61-7362**	1 15/16"	
NPT **61-7364**	2"	
NPT **61-7366**	2 1/16"	
NPT **61-7368**	2 1/8"	
NPT **61-7370**	2 3/16"	
NPT **61-7372**	2 1/4"	
NPT **61-7374**	2 5/16"	
NPT **61-7376**	2 3/8"	
NPT **61-7378**	2 7/16"	
NPT **61-7380**	2 1/2"	
NPT **61-7382**	2 9/16"	
NPT **61-7384**	2 5/8"	
NPT **61-7386**	2 11/16"	
NPT **61-7388**	2 3/4"	
NPT **61-7390**	2 13/16"	
NPT **61-7392**	2 7/8"	
NPT **61-7394**	2 15/16"	
NPT **61-7396**	3"	
NPT **61-7398**	3 1/8"	
NPT **61-7400**	3 1/4"	
NPT **61-7404**	3 3/8"	
NPT **61-7408**	3 1/2"	
NPT **61-7416**	3 5/8"	
NPT **61-7420**	3 3/4"	
NPT **61-7424**	3 7/8"	
NPT **61-7428**	4"	
NPT **61-7432**	4 1/8"	
NPT **61-7436**	4 1/4"	
NPT **61-7440**	4 1/2"	

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

MET

Item No.	Socket Size	NPT 61-0503 7 Pc. Set
NPT 61-7519	19mm	
NPT 61-7521	21mm	
NPT 61-7522	22mm	
NPT 61-7523	23mm	
NPT 61-7524	24mm	
NPT 61-7525	25mm	
NPT 61-7526	26mm	
NPT 61-7527	27mm	•
NPT 61-7529	29mm	
NPT 61-7530	30mm	
NPT 61-7532	32mm	
NPT 61-7533	33mm	•
NPT 61-7535	35mm	•
NPT 61-7536	36mm	•
NPT 61-7538	38mm	
NPT 61-7540	40mm	
NPT 61-7541	41mm	•
NPT 61-7542	42mm	
NPT 61-7546	46mm	
Double Square Sockets		
NPT 61-7617	17mm	•
NPT 61-7619	19mm	
NPT 61-7620	20mm	
NPT 61-7621	21mm	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

NPT 61-7740

1 IN. DR. 6 PT. EXTRA LONG IMPACT SOCKETS

SAE MET

Extra long sockets are 65% longer than the deep sockets.

Item No.	Socket Size
NPT 61-7740	1 1/4"
NPT 61-7633	33mm

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. 6 PT. THIN WALL DEEP IMPACT SOCKETS

SAE MET

Item No.	Socket Size
NPT 61-7634	1 1/16
NPT 61-7636	1 1/8"
NPT 61-7640	1 1/4"
NPT 61-7642	1 5/16"
NPT 61-7648	1 1/2"
NPT 61-7641	41mm

NPT 61-7636

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. 6 PT. EXTRA DEEP IMPACT SOCKET

SAE

Item No.	Socket Size
NPT 61-7656	1 3/4"

NPT 61-7656

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. 6 PT. LIMITED DEPTH IMPACT SOCKET

SAE

Item No.	Socket Size
NPT 61-7848	1 1/2"

NPT 61-7848

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. SQUARE IMPACT SOCKETS

SAE

Item No.	Socket Size
NPT 61-7626	13/16"
NPT 61-7630	15/16"

NPT 61-7626

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

1 IN. DR. HEAVY-DUTY SQUARE IMPACT SOCKET

SAE

Item No.	Socket Size
NPT 61-7726	13/16"

NPT 61-7726

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

TORQUE MULTIPLIER LUG NUT TOOL

1 in. Square drive input, 1:58 gear ratio produces 2350 ft. lbs. or 3200 nm pounds of torque.

- Includes the following 4 pt. sockets: 1 in. and 3/4 in.
- Extension bar, handle, torque multiplier and a handy storage case
- Includes the following 6 pt. sockets: 23mm (15/16 in.), 27mm (1 1/16 in.), 30mm (1 13/16 in.), 32mm (1 1/4 in.), 33mm (1 5/16 in.), 38mm (1 1/2 in.)

NPT 61-72350

⚠ WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

SAE MET

1 IN. DR. 6 PT. BUDD WHEEL IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0506** 5 Pc. Set
NPT **61-7533**	Deep Socket 33mm	•
NPT **61-7826**	Combination Budd Wheel, 1½" x 1³⁄₁₆	•
NPT **61-7835**	Combination Budd Wheel, 35mm x 17mm	•
NPT **61-7838**	Combination Budd Wheel, 38mm x 20mm	•
NPT **61-7841**	Combination Budd Wheel, 41mm x 21mm	•

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

2-IN-1 LI-ION POWER DRIVER

This 3.6V Li-Ion Cordless Screwdriver with 2 position swivel handle for a pistol-grip or straight in-line for tight spaces. When fully charged, the lithium ion battery can hold its charge for over 6 months so it's always ready when needed.

- Includes 50 of the most popular driver bits in a handy storage case
- LEDs are integrated into the front to illuminate your work area and into the base of the handle for a built-in flashlight
- ¼ in. Hex rapid change chuck features an adjustable 15+1 clutch to deliver the right amount of torque needed for the job and to prevent stripping or breaking of fasteners
- Ergonomic handle

BK **774-0015**

NPT **61-7701**

NPT **61-7707**

NPT **61-7704**

NPT **61-7706**

NPT **61-7714**

1 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-7707**	Extension, 6"
NPT **61-7710***	Extension with Pin Hole, 10"
NPT **61-7713***	Extension with Pin Hole, 13"
NPT **61-7704**	Universal Joint
NPT **61-7706**	Adapter with Pin Hole, 1" F x 1½" M
NPT **61-7714**	Socket Drive Size Adapter, 1½" F x 1" M
NPT **61-7703**	Socket Drive Size Adapter w/ Steel Ball, 1" F x ¾" M
NPT **61-7701**	Linch Pin with O-Ring, 1¹¹⁄₁₆"
NPT **61-7702**	Linch Pin with O-Ring, 1¾"
NPT **61-0409**	5 Pc. Adapter and Universal Joint Set Contains 1 of each: *NPT* **61-6700**, *NPT* **61-6701**, *NPT* **61-7703**, *NPT* **61-6704** and *NPT* **61-7704**

**** Requires Linch Pin/O-Ring***

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CORDLESS HAMMERDRILLS

Kit Item No.	1/2 In. Dr. 2-Speed Brushless Hammerdrill *CHT* **60V12HD**	20V MAX* Lithium Ion Premium 3-Speed Hammerdrill Kit *DEW* **DCD985M2**
Volts	60V	20V MAX*
Max Power	1000 in-lbs	535 UWO
# of Speed Settings	2	3
Max RPM	0-550 / 0-2,000 RPM	0-575 / 0-1,350 / 0-2,000 rpm
Max BPM	5.74 lbs	0-9,775 / 0-22,950 / 0-34,000 bpm
Chuck Size	½" (13 mm)	½"
Chuck Type	Keyless	Metal Ratcheting
Weight	5.74 lbs	5.2 lbs
Charger/Batteries	Li-Ion 60V Battery	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)
Includes	—	360° side handle

⚠ **WARNING: (*CHT* 60V12HD) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CORDLESS DRILL/DRIVERS

20V MAX* XR® Li-Ion Brushless Compact Drill/Driver Kit

20V MAX* Lithium Ion Compact Drill/Driver Kit

20V MAX* Lithium Ion 1/2 In. (13mm) Drill/Driver Kit

M18 FUEL™ 1/2 In. Drill Driver Kit

M18 FUEL™ 1/2 In. Drill Driver Kit

Kit Item No.	*DEW* **DCD791D2**	*DEW* **DCD780C2**	*DEW* **DCD771C2**	*MIL* **2503-22**	*MIL* **2803-22**
Tool Only Item No.	*DEW* **DCD791B**	—	—	*MIL* **2503-20**	*MIL* **2803-20**
Volts	20V MAX*	20V MAX*	20V	12	18
Max Power	360 UWO	350 UWO	300 UWO	350 in-lbs	1200 in-lbs
# of Speed Settings	2	2	2	—	14
Max RPM	0-600 / 0-2,000 rpm	0-600 / 2,000 rpm	0-450 / 0-1,500 rpm	1700	2000
Chuck Size	1/2"	1/2"	1/2"	1/2"	1/2"
Chuck Type	Metal Ratcheting	Ratcheting	Keyless	Metal Ratcheting	Metal Ratcheting
Weight	3.5 lbs / 2.6 lbs (tool only)	3.4 lbs / 2.7 lbs (tool only)	3.6 lbs	2.3 lbs	3.2 lbs / 4.8 lbs
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (2.0 Ah)	Charger / (2) 20V MAX* Lithium Ion (1.5 Ah)	Charger / (2) 20V MAX* Compact Lithium Ion	All M12 Batteries and Chargers	All M18 Batteries and Chargers
Includes	On-board bit tip holder & belt hook	Belt hook	DCD771 1/2" Drill Driver, (2) 20V Max* Compact Lithium Ion Battery Packs, Compact Charger, Contractor Bag	(1) M12 FUEL™ Drill Driver (Tool Only) (*MIL* **2503-20**) (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (*MIL* **48-11-2440**)	(1) M18 FUEL™ 1/2" Drill Driver (Tool Only) (*MIL* **2803-20**) (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (*MIL* **48-11-1850**) (1) M18™ & M12™ Multi-Voltage Charger (*MIL* **48-59-1812**) (1) Carrying Case (1) Side Handle (1) Belt Clip (1) Bit Holder

CORDLESS DRILL/DRIVERS

V20* Cordless Brushless 1/2 in. Drill/Driver Kit (2 Batteries)

Kit Item No.	
Volts	20V Max
Max Power	350UWO
# of Speed Settings	0-600/0-1900
Max RPM	—
Chuck Size	1/2"
Chuck Type	—
Weight	2.57
Charger/Batteries	20V Max 1.5/Ah
Includes	—

CORDLESS IMPACT DRIVERS

1/4 In. Dr. 60V Brushless Impact Driver

Kit Item No.	*CHT* **60V14ID**
Volts	60V
Drive Size	1/4" Hex Shank
No Load Speed	0-800 / 0-1,600 / 0-2,100 RPM
Impacts/Min	0-3000 IPM
Max Torque (in-lbs)	—
Max Torque (ft-lbs)	11 / 25 / 200 ft-lbs
Weight	5.19 lbs
Charger/Batteries	Li-Ion 60V Battery

WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CORDLESS IMPACT DRIVERS

20V MAX* XR® Lithium Ion Brushless 1/4 In. (6.35mm) Impact Driver Kit

XTREME™ 12V MAX* Brushless 1/4 in. Cordless Impact Driver Kit

20V MAX* Lithium Ion 1/4 In. (6.35mm) Impact Driver Kit

M12 FUEL™ 1/4 In. Hex Impact Driver Kit

Kit Item No.	*DEW* **DCF887D2**	*DEW* **DCF801F2**	*DEW* **DCF885C2**	*MIL* **2553-22**
Tool Only Item No.	*DEW* **DCF887B**	—	—	*MIL* **2553-20**
Volts	20V MAX*	12V MAX*	20V MAX*	12
Drive Size	1/4" Hex shank quick release	1/4"	1/4" Hex shank quick release	1/4" Hex
No Load Speed	0 - 2,800 rpm	0-2850 rpm	2,800 rpm	0-3,300 RPM
Impacts/Min	0 - 3,200 IPM	3,600 ipm	3,200 ipm	4,000 IPM
Breakaway Torque (ft-lbs)	2,140 ft-lbs	2,070 ft-lbs	165 ft-lbs	—
Max Torque	125 ft-lbs	1450 ft-lbs	117 ft-lbs	1,300 in-lbs
Tool Length	5.5"	5.05"	5.5"	5.1 in
LEDs	3	3	3	Yes
Weight	2.9 lbs / 2.1 lbs (tool only)	1.75 lbs.	2.8 lbs / 2.0 lbs (tool only)	1.76 lbs
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (2.0 Ah)	Charger / (2) 2V MAX* 2.0 Ah	Charger / (2) 20V MAX* Lithium Ion (1.5 Ah)	All M12 Batteries and Chargers
Includes	Belt Hook	(2) 12V MAX*batteries (*DEW* **DCB122**), 12V and 20V MAX* Charger (*DEW* **DCB112**),belt clip, kit bag	Belt hook	(1) M12 FUEL™ 1/4" Hex Impact Driver (*MIL* **2553-20**) (2) M12 REDLITHIUM 2.0 Compact Batteries (1) M12 Lithium Ion Charger (1) Carrying Case (1) Belt Clip

CORDLESS IMPACT DRIVERS

M18 FUEL™ 1/4 In. Hex Impact Driver

Kit Item No.	*MIL* **2853-22**
Tool Only Item No.	*MIL* **2853-20**
Volts	18
Drive Size	1/4" Hex
No Load Speed	0-3,600 RPM
Impacts/Min	0-4,300 IPM
Max Torque	2,000 in-lbs
Tool Length	4.59 in
LEDs	Yes
Weight	2.2 lbs
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18 FUEL™ 1/4" Hex Impact Driver (Tool Only) (*MIL* **2853-20**)(2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (*MIL* **48-11-1850**)(1) M18™ & M12™ Multi-Volt-age Charger (*MIL* **48-59-1812**)(1) Belt Clip(1) Bit Holder(1) Carrying Case

CORDLESS IMPACT WRENCHES

3/8 In. Dr. 60 V Brushless Impact Wrench

Kit Item No.	*CHT* **60V38IW**
Tool Only Item No.	—
Volts	60V
Drive Size	3/8" Square
Max Torque (ft-lbs)	450 ft-lbs
No Load Speed	0-800 / 0-1,600 / 0-2,100 RPM
Impacts/Minute	0-3,000 IPM
Weight	5.16 lbs
Charger/Batteries	Li-Ion 60V Battery

WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CORDLESS IMPACT WRENCHES

1/2 In. Dr. 60 V Brushless Jumbo Impact Wrench

20V MAX* XR® Brushless High Torque 3/4 In. (19mm) Impact Wrench Kit

20V MAX* Brushless High Torque Impact Wrench Kit w/ Detent Anvil

20V MAX* Brushless High Torque Impact Wrench Kit w/ Hog Ring Anvil

Kit Item No.	*CHT* **60V12IW**	*DEW* **DCF897P2**	*DEW* **DCF899P1**	*DEW* **DCF899HP2**
Tool Only Item No.	—	*DEW* **DCF897B**	*DEW* **DCF899B**	*DEW* **DCF899HB**
Volts	60V	20V MAX*	20V MAX*	20V MAX*
Drive Size	1/2" Square	3/4" Hog Ring Retention Pin	1/2" Square w/ Detent Ring Anvil	1/2" Square w/ Hog Ring Anvil
Breakaway Torque (ft-lbs)	—	1,200 ft-lb	1,200 ft-lb	1,200 ft-lb
Max Torque (ft-lbs)	332 / 450 / 1000 ft-lbs	1,200 ft-lb	1,200 ft-lbs	1,200 ft-lbs
No Load Speed	0-900 / 0-1,200 / 0-1,600 RPM	0 – 400 / 1,200 / 1,900 rpm	400/1,200/1,900 rpm	400/1,200/1,900 rpm
Impacts/Minute	0-2,400 IPM	2400 ipm	2,400 imp	2,400 imp
Weight	8.53 lbs			
Charger/Batteries	—	Charger / (2) 20V MAX* XR®Lithium Ion (5.0 Ah)	(1) 5.0 Ah Batteries / (1) Multi-Voltage Charger	(2) 5.0 Ah Batteries / (1)Multi-Voltage Charger

⚠ **WARNING:** (*CHT* **60V12IW**) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CORDLESS IMPACT WRENCHES

20V MAX* Lithium Ion 1/2 In. (13mm) Impact Wrench Kit w/ Detent Pin Anvil

20V MAX* Lithium Ion 1/2 In. (13mm) Impact Wrench Kit w/ Detent Pin

20V MAX* Lithium Ion 1/2 In. (13mm) Impact Wrench Kit w/ Hog Ring Anvil

Kit Item No.	*DEW* **DCF889M2**	*DEW* **DCF880M2**	*DEW* **DCF880HM2**
Tool Only Item No.	*DEW* **DCF889B**	*DEW* **DCF880B**	—
Volts	20V MAX*	20V MAX*	20V MAX*
Drive Size	1/2" Square w/ Detent Pin Anvil	1/2" Square w/ detent pin anvil	1/2" Square w/ hog ring anvil
Breakaway Torque (ft-lbs)	570 ft-lb	215 ft-lbs	215 ft-lbs
Max Torque (ft-lbs)	400 ft-lbs	150 ft-lbs	150 ft-lbs
No Load Speed	0-1,500 rpm	0-2,300 rpm	0-2,300 rpm
Impacts/Minute	0-2,300 ipm	0-2,700 ipm	0-2,700 ipm
Switch	—	—	Variable Speed
LEDs	—	—	3
Weight	—	—	3.4 lbs
Tool Length	—	—	5.7"
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)
Includes	—	Fast charger, (2) 20V Max XR Premium Li-Ion batteries (4.0 Ah) (*DEW* **DCB204**) and Kit box	Fast charger, (2) 20V Max XR Premium Li-Ion batteries (4.0 Ah) (*DEW* **DCB204**) and Kit box

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CORDLESS IMPACT WRENCHES

20V MAX* XR 3/8 In. Compact Impact Wrench Kit

20V MAX* Lithium Ion 3/8 In. (9.5mm) Impact Wrench w/ Hog Ring Kit

12V MAX* Lithium Ion 3/8 In. (9.5mm) Impact Wrench Kit

XTREME™ 12V MAX* Brushless 3/8 in. Cordless Impact Wrench Kit

Kit Item No.	*DEW* **DCF890M2**	*DEW* **DCF883M2**	*DEW* **DCF813S2**	*DEW* **DCF902F2**
Tool Only Item No.	*DEW* **DCF890B**	*DEW* **DCF883B**	—	*DEW* **DCF902B**
Volts	20V MAX* XR	20V MAX*	12V MAX*	20V MAX*
Drive Size	3/8" Anvil	3/8" Square w/ hog ring anvil	3/8" Anvil	3/8"
Breakaway Torque (ft-lbs)	215 ft-lbs	185 ft-lbs	135 ft-lbs	285 ft-lbs
Max Torque (ft-lbs)	150 ft-lbs	130 ft-lbs	96 ft-lbs	200 ft-lbs
No Load Speed	0-2800 rpm	0-2,300 rpm	0-2,450 rpm	0-2850
Impacts/Minute	0-3200 ipm	0-2,700 ipm	0-3,400 ipm	0-3600 ipm
Switch	Variable Speed	Variable Speed	Variable Speed	Variable Speed
LEDs	3	3	3	3
Weight	2 lbs.	3.4 lbs / 2.2 lbs (tool only)	2.3 lbs.	1.73 lbs. (tool only)
Tool Length	5.5"	5.7"	6.25"	5.1"
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 12V MAX* Lithium Ion	Charger/ (2) 12V MAX* 2Ah
Includes	(2) 20V MAX* XR Lithium Ion Batteries (*DEW* **DCB204**),Fast Charger (*DEW* **DCB115**), Tool Bag and Belt Clip	Fast charger, (2) 20V Max XR Premium Li-Ion batteries (4.0 Ah) (*DEW* **DCB204**) and Kit box	Fast charger, (2) 12V Max Li-Ion batteries and Contractor bag	(2) 12V MAX* Batteries (*DEW* **DCB122**), 12V and 20V MAX* charger (*DEW* **DCB112**), Belt clip and Kit bag

CORDLESS IMPACT WRENCHES

M12 FUEL™ 1/4 In. Stubby Impact Wrench

M12 FUEL™ 3/8 In. Stubby Impact Wrench

M12 FUEL™ 1/2 In. Stubby Impact Wrench

Kit Item No.	*MIL* **2552-22**	*MIL* **2554-22**	*MIL* **2555-22**
Tool Only Item No.	*MIL* **2552-20**	*MIL* **2554-20**	*MIL* **2555-20**
Volts	12	12	12
Drive Size	1/4"	3/8"	1/2"
Max Torque (ft-lbs)	100 ft-lbs	100 ft-lbs	250 ft-lbs
No Load Speed	0-3,000 RPM	0-2,700 RPM	0-2,700 RPM
Impacts/Minute	4,000 IPM	3,200 IPM	3,200 IPM
Switch	Yes	Yes	Yes
LEDs	Yes	Yes	Yes
Weight	1.64 lbs	2 lbs	2 lbs
Tool Length	5.1 "	4.8"	4.9 "
Charger/Batteries	All M12 Batteries and Chargers	All M12 Batteries and Chargers	All M12 Batteries and Chargers
Includes	(1) M12 FUEL™ 1/4" Stubby Impact Wrench (*MIL* **2552-20**) (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**)(1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (*MIL* **48-11-2440**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Belt Clip(1) Carrying Case	(1) M12 FUEL™ 3/8" Stubby Impact Wrench (*MIL* **2554-20**) (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (*MIL* **48-11-2440**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Belt Clip (1) Carrying Case	(1) M12 FUEL™ 1/2" Stubby Impact Wrench (*MIL* **2555-20**) (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (*MIL* **48-11-2440**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Belt Clip (1) Carrying Case

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

Cordless Tools

CORDLESS IMPACT WRENCHES

M18 FUEL™ 1/2 In. High Torque Impact Wrench

M18 FUEL 1/2 In. Ext. Anvil Controlled Torque Impact

M18 FUEL™ 3/8 In. Compact Impact Wrench w/Friction Ring

Kit Item No.	*MIL* **2767-22**	*MIL* **2769-22**	*MIL* **2854-22**
Tool Only Item No.	*MIL* **2767-20**	*MIL* **2769-20**	*MIL* **2854-20**
Volts	18	18	18 Volts
Drive Size	1/2"	1/2"	3/8"
Max Torque (ft-lbs)	1,000 ft-lbs	1,100 ft-lbs	250 ft-lbs
No Load Speed	0-550/1,400/1,750/ 1,750-750 RPM	0-1,800 RPM	0-2,400 RPM
Impacts/Minute	0-950/1,750/2,100/2,100 IPM	0-2,400 IPM	—
Switch	Yes	Yes	—
LEDs	Yes	Yes	—
Weight	5.9 lbs	5.8 lbs	—
Tool Length	8.39"	10.1"	—
Charger/Batteries	All M18 Batteries and Chargers	All M18 Batteries and Chargers	All M12 Batteries and Chargers
Includes	(1) M18 FUEL™ 1/2" High Torque Impact Wrench with Friction Ring (Tool Only) (*MIL* **2767-20**) (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (*MIL* **48-11-1850**) (1) M18™ & M12™ Multi-Voltage Charger *MIL* **48-59-1812**) (1) Carrying Case	(1) M18 FUEL™ ½" Ext. Anvil Controlled Torque Impact Wrench w/ONE-KEY™ (Tool Only) *MIL* **2769-20**) (2) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (*MIL* **48-11-1850**) (1) M18™ & M12™ Multi-Voltage Charger *MIL* **48-59-1812**)(1) Contractor Bag	M18 FUEL **3/8** in. compact impact wrench (*MIL* **2854-20**) with friction ring, (2) M18 5.0Ah batteries (*MIL* **48-11-1850**), M12/ M18 charger (*MIL* **48-59-1812**), carrying case

CORDLESS IMPACT WRENCHES

V20* Cordless Brushless 1/4 in. Impact Driver Kit

1 Battery Kit Item No.	—	—	—	*CTM* **CMCF810C1**
2 Battery Kit Item No.	*MIL* **2855-22**	*MIL* **2960-22**	*MIL* **2962-22**	*CTM* **CMCF810C2**
Tool Only Item No.	*MIL* **2855-20**	*MIL* **2960-20**	*MIL* **2962-20**	—
Volts	18 Volts	18 Volts	18 Volts	20V Max
Drive Size	1/2"	3/8"	1/2"	1/4"
Max Torque (ft-lbs)	250 ft-lbs	600 ft-lbs	600 ft-lbs	0-2800/0-3500
No Load Speed	0-2,400 RPM	0-2,575 RPM	0-2,575 RPM	1,500
Impacts/Minute	—	—	—	3,500 IPMs
Weight	—	—	—	2.05 lbs.
Charger/Batteries	All M12 Batteries and Chargers	All M18 Batteries and Chargers	All M18 Batteries and Chargers	20V MAX* 1.5Ah Lithium Ion Battery and 20V MAX* Lithium Ion Charger
Includes	M18 FUEL 1/2 in. compact impact wrench with friction ring bare tool (*MIL* **2855-20**), (2) M18 5.0Ah batteries (*MIL* **48-11-1850**), M12/M18 charger (*MIL* **48-59-1812**), carrying case	M18 FUEL 3/8 in. mid-torque impact wrench with friction ring (*MIL* **2960-20**), (2) M18 5.0Ah batteries (*MIL* **48-11-1850**), M12/M18 charger (*MIL* **48-59-1812**), carrying case	M18 FUEL 1/2 in. mid-torque impact wrench with friction ring (*MIL* **2962-20**), (2) M18 5.0Ah batteries (*MIL* **48-11-1850**), M12/M18 charger (*MIL* **48-59-1812**), carrying case	—

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

CORDLESS IMPACT WRENCHES

V20* Cordless Brushless 3/8 in. Impact Wrench with Hog Ring Anvil

Tool Only Item No.	*CTM* **CMCF910B**
Volts	20V Max
Drive Size	3/8"
Max Torque (ft-lbs)	165 ft-lbs
No Load Speed	—
Impacts/Minute	—
Switch	—
LEDs	—
Weight	2.4 lbs.
Tool Length	—
Charger/Batteries	—
Includes	—

CORDLESS IMPACT RATCHETS

1/4 In. Dr. Cordless Ratcheting Wrench

3/8 In. Dr. Cordless Ratcheting Wrench

Kit Item No.	*CHT* **12V14R**	*CHT* **12V38R**
Volts	12V	12V
Drive Size	1/4" Square	3/8" Square
Max Torque (ft-lbs)	30 ft-lbs	55 ft-lbs
No Load Speed	240 RPM	0-190 RPM
Impacts/Minute	0-3,000 IPM	0-2,000 IPM
Switch	—	—
LEDs	—	—
Weight	1.87 lbs	2.64 lbs
Tool Length	—	—
Charger/Batteries	Li-Ion 12V Battery	Li-Ion 12V Battery
Includes	—	—

CORDLESS IMPACT RATCHETS

M12 FUEL™ 3/8 In. Right Angle Impact Wrench w/ Friction Ring

1/2 In. Right Angle Impact Wrench w/ Friction Ring

M12 FUEL™ 1/4 In. Extended Reach Ratchet

M12 FUEL™ 1/4 in. High Speed Ratchet

1 Battery Kit Item No.	—	—	*MIL* **2559-21**	—
2 Battery Kit Item No.	*MIL* **2564-22**	*MIL* **2565-22**	—	*MIL* **2566-22**
Tool Only Item No.	*MIL* **2564-20**	*MIL* **2565-20**	*MIL* **2559-20**	*MIL* **2566-20**
Volts	12	12	12	12
Drive Size	3/8"	1/2"	1/4"	1/4"
Max Torque (ft-lbs)	220 ft-lbs	220 ft-lbs	40 ft-lbs	35 ft-lbs
No Load Speed	3,000 RPM	3,000 RPM	250 RPM	450 RPM
Charger/Batteries	All M12 Batteries and Chargers	All M12 Batteries and Chargers	All M12 Batteries and Chargers	All M12 Batteries and Chargers
Includes	(1) M12 FUEL™ 3/8" Right Angle Impact Wrench w/ Friction Ring (Bare tool) (*MIL* **2564-20**) (2) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Contractor Bag	(1) M12 FUEL™ 1/2" Right Angle Impact Wrench w/ Friction Ring (Bare tool) (*MIL* **2565-20**) (2) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420** (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Contractor Bag	(1) M12 FUEL™ 1/4" Extended Reach Ratchet (Tool Only) (*MIL* **2559-20**) (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**)(1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**)	(1) M12 FUEL™ 1/4" High Speed Ratchet (Tool Only) (*MIL* **2566-20**) (2) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**)

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CORDLESS IMPACT RATCHETS

M12™ FUEL™ 3/8 In. Ratchet

M12 FUEL™ 3/8 In. Extended Reach Ratchet

1 Battery Kit Item No.	*MIL* **2557-21**	*MIL* **2560-21**
2 Battery Kit Item No.	*MIL* **2557-22**	—
Tool Only Item No.	*MIL* **2557-20**	*MIL* **2560-20**
Volts	12	12
Drive Size	3/8"	3/8"
Max Torque (ft-lbs)	55 ft-lbs	55 ft-lbs
No Load Speed	200 RPM	200 RPM
Charger/Batteries	All M12 Batteries and Chargers	All M12 Batteries and Chargers
Includes	(1) M12™ FUEL™ 3/8" Ratchet Bare Tool (*MIL* **2557-20**) (1) Standard Charger(1) Carrying Case (1) 2.0Ah M12 Battery	(1) M12 FUEL™ 3/8" Extended Reach Ratchet (Tool Only) (*MIL* **2560-20**)(1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**)\ (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**)

CORDLESS DIE GRINDER KIT

20V MAX* 1-1/2 In. Variable Speed Cordless Die Grinder Kit

M12 FUEL™ 1/4 In. Right Angle Die Grinder

M12 FUEL™ 1/4 In. Straight Die Grinder

Kit Item No.	*DEW* **DCG426M2**	*MIL* **2485-22**	*MIL* **2486-22**
Item No.	—	*MIL* **2485-20**	*MIL* **2486-20**
Volts	20V MAX*	12 Volts	12 Volts
Collet Diameter	1/4"	1/4"	1/4"
No Load Speed	—	0-25,000 RPM	0-20,000 RPM
Spindle Lock	—	No	Yes
Max Wheel Diameter	—	2"	2"
Length	14.9"	—	—
Weight	3.95 lbs.	1.2 lbs	1.2 lbs
Charger/Batteries	Charger /20V MAX* Lithium Ion (4Ah)	All M12 Batteries and Chargers	All M12 Batteries and Chargers
Includes	(2) Wenches, (2) 20V MAX* 4Ah Lithium Ion (*DEW* **DCB204**) batteries charger (*DEW* **DCB115**) and kit bag	(1) M12 FUEL™ 1/4" Right Angle Die Grinder (*MIL* **2485-20**) (2) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Carrying Case(2) Wrench	(1) M12 FUEL™ 1/4" Straight Die Grinder (*MIL* **2486-20**) (2) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) Carrying Case (2) Wrench

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

CORDLESS ANGLE GRINDER

M18 FUEL™ 4-1/2" / 5" Grinder Paddle Switch, No-Lock Kit

Kit Item No.	*MIL* **2880-22**
Tool Only Item No.	*MIL* **2880-20**
Volts	18 Volts
No Load Speed	0-8,500 RPM
Spindle Lock	Yes
Spindle Thread	5/8" - 11
Weight	14.16 lbs
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18 FUEL 4-1/2" / 5" Grinder Paddle Switch, No-Lock (*MIL* **2880-20**), (2) M18 REDLITHIUM™ HIGH OUTPUT™ XC6.0 Battery Packs (*MIL* **48-11-1865**), (1) M18™ & M12™ Rapid Charger (*MIL* **48-59-1808**), (1) T27 Guard, (1) T1 Clip-On Guard, (1) Side Handle, (1) Spanner Wrench, (1) Back Flange, (1) Flange Nut, (1) Large Contractor Bag

CORDLESS HEAT GUN

20V MAX* Cordless Heat Gun Kit

Item No.	*DEW* **DCE530P1**
Volts	20V MAX*
Max Output Temperature**	Up to 990° F/532° C
CFM****	6.7
LED	Yes
Tool Length	6.33 in
Tool Weight	2.5 lbs. with battery
Charger/Batteries Includes	20V MAX* XR® 5.0Ah Lithium Ion Flat Nozzle Attachment, Hook Nozzle Attachment, 20V MAX* XR® 5.0Ah Lithium Ion Battery (*DEW* **DCB205**) and Charger (*DEW* **DCB115**)

CORDLESS CUT-OFF TOOLS

20V MAX* Lithium Ion 4-1/2 In. (114mm) / 5" (127mm) Grinder Kit

FLEXVOLT® 60V MAX* Brushless 4-1/2 In. (114mm) / 6" (150mm) Grinder

M12 FUEL™ 3" Compact Cut Off Tool

Kit Item No.	*DEW* **DCG412P2**	*DEW* **DCG418X1**	*MIL* **2522-21XC**
Tool Only Item No.	*DEW* **DCG412B**	—	*MIL* **2522-20**
Volts	20V MAX*	60V MAX*	12 Volts
No Load Speed	7,000 rpm	No-load 9,000 rpm (6 in wheels)	0-20,000 RPM
Spindle Lock	Yes	—	Yes
Spindle Thread	5/8"	5/8" -11	
Weight	6.5 lbs / 5.1 lbs (tool only)	4.66 lbs	1.52 lbs
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (5.0 Ah)	Charger / (1) DCB609 FLEXVOLT® 9.0Ah Battery	All M12 Batteries and Chargers
Includes	5" (125mm) Type 27 guard, Wrench & 2-position side handle	6" (150mm) Type 27 guard, (1) Wrench,(2) Flanges, and Kit bag	(1) M12 FUEL™ 3" Compact Cut Off Tool (*MIL* **2522-20**)(1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (*MIL* **48-11-2440**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**)(1) 3" Carbide Abrasive Blade (*MIL* **49-94-3005**) (1) 3" Diamond Tile Blade (*MIL* **49-94-3010**) (1) Blade Wrench (1) Metal Cut Off Wheel (1) 7/16" Flange Adapter (1) Shoe Guard (1) Contractor Bag

⚠ **WARNING: (*DEW* DG418X1) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CORDLESS RECIPROCATING SAWS

FLEXVOLT® 60V MAX* Brushless Cordless Reciprocating Saw Kit

M18 FUEL™ SAWZALL® Recip Saw

M18 FUEL™ Hackzall®

V20* Cordless Reciprocating Saw Kit

Kit Item No.	—	*MIL* **2821-22**	—	*CTM* **CMCS300M1**
Tool Only Item No.	*DEW* **DCS389X1**	*MIL* **2821-20**	*MIL* **2719-20**	—
Volts	60V MAX*	18	18	20V Max
Speed	Variable Speed Trigger	—	—	—
Adjustable Shoe	Pivoting	—	—	—
Stroke Length	1 1/8"	1.125 in	0.875 in	1"
Strokes per Min.	0–3000 SPM	3,000 SPM	3,000 SPM	—
Keyless Blade Clamp	—	Yes	Yes	—
Adjustable Shoe	—	Yes	Yes	—
Tool Height	6.8"	—	—	—
Tool Length	17.725	—	—	—
Weight	7.56 lbs	7.4 lbs	4.07 lbs	6.5 lbs
Charger/ Batteries	Charger / (1) DCB609 FLEXVOLT® 9.0Ah Battery	All M18 Batteries and Chargers	All M18 Batteries and Chargers	20V Max/1.5 Ah
Includes	(1)Blade, (1)Charger, (1) Battery and Kit bag	(1) M18 FUEL™ SAWZALL® Reciprocating Saw (Tool Only) (*MIL* **2821-20**)(1) M18™ & M12™ Multi-Voltage Charger (*MIL* **48-59-1812**)(1) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (*MIL* **48-11-1850**) (1) Carrying Case(1) Blade	(1) M18 FUEL™ Hackzall® (*MIL* **2719-20**)(1) General Purpose SAWZALL® Blade	—

⚠ **WARNING: (*DEW* DCS389X1) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORDLESS CUTTING TOOLS

FLEXVOLT® 60V MAX* Brushless 7-1/4 In. Cordless Circular Saw w/Brake Kit

Kit Item No.	*DEW* **DCS578X1**
Volts	60V MAX*
Speed	5,800 rpm
Adjustable Shoe	57 Degrees
Stroke Length	7 1/4"
Tool Length	22.5° AND 45°
Strokes per Min.	True
Tool Height	2 9/16"
Weight	8.2 lbs
Charger/Batteries	Charger / (1) DCB609 FLEXVOLT® 9.0Ah Battery
Includes	(1) Blade, (1)Blade Wrench (1)Charger, (1)Battery and Kit bag

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORDLESS COMBO KITS

20V MAX* XR® 4-Tool Compact Combo Kit

Item No.	*DEW* **DCK484D2**
Volts	20V MAX*
Reciprocating Saw	*DEW* **DCS367B**
Drill/Driver	*DEW* **DCD791B**
Impact Driver	*DEW* **DCF887B**
LED Worklight	*DEW* **DCL040**
Charger/Batteries	Charger/ (2)20V MAX* Compact Lithium Ion Battery
Includes	Charger, (2) Batteries and Contractor Bag

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CORDLESS COMBO KITS

20V MAX* Lithium Ion 5-Tool Combo Kit

20V MAX* XR® Compact 4-Tool Combo Kit

20V MAX* XR® Lithium Ion Brushless Compact Hammerdrill & Impact Driver Combo Kit

20V MAX* XR® Lithium Ion Brushless Premium Hammerdrill & Impact Driver Combo Kit

Item No.	*DEW* **DCK590L2**	*DEW* **DCK483D2**	*DEW* **DCK287D2**	*DEW* **DCK299M2**
Volts	20V MAX*	20V MAX*	20V MAX*	20V MAX*
Circular Saw	*DEW* **DCS393** (6½")	*DEW* **DCS570B**	—	—
Reciprocating Saw	*DEW* **DCS381**		—	—
Drill/Driver	—	*DEW* **DCD791B**	—	—
Hammerdrill	*DEW* **DCD985**		*DEW* **DCD796**	*DEW* **DCD996**
Impact Driver	*DEW* **DCF885**	*DEW* **DCF887B**	*DEW* **DCF887**	*DEW* **DCF887**
LED Worklight	*DEW* **DCL040**	*DEW* **DCL040**	—	—
Charger/Batteries	Charger / (2) 20V MAX* Lithium Ion (3.0 Ah)	Charger / (2) 20V MAX* Lithium Ion	Charger / (2) 20V MAX* XR® Lithium Ion (2.0 Ah)	Charger / (2) 20V MAX* XR® Lithium Ion (4.0 Ah)
Includes	360° Side handle, carbide tipped circular saw blade, & belt hook	Charger, (2) Batteries and Contractor Bag	Charger, (2) Batteries, (2) Belt Hooks, Contractor Bag	Charger, (2) Batteries, 360˚Side Handle,(2) Belt Hooks, Contractor Bag

CORDLESS COMBO KITS

20V MAX* Lithium Ion 3-Tool Combo Kit

20V MAX* Lithium Ion 3-Tool Combo Kit

M18 FUEL™ 2-Tool Hammer Drill/Impact Combo Kit

Item No.	*DEW* **DCK397HM2**	*DEW* **DCK398HM2**	*MIL* **2997-22**
Volts	20V MAX*	20V MAX*	18 Volts
Hammerdrill	—	—	*MIL* **2804-20**
Impact Driver	*DEW* **DCF899H**	*DEW* **DCF883**	*MIL* **2853-20**
Impact Wrench	—	*DEW* **DCF899H**	—
LED Worklight	*DEW* **DCL043**	*DEW* **DCL050**	—
Charger/Batteries	Charger / (2) 20V MAX* XR® Lithium Ion (4.0 Ah)	Charger / (2) 20V MAX* XR® Lithium Ion (4.0 Ah)	All M18 Batteries and Chargers
Includes	Charger, (2) Batteries, Belt Hook, Contractor Bag	Charger, (2) Batteries, Contractor Bag	(1) M18 FUEL™ ½" Hammer Drill (*MIL* **2804-20**) (1) M18 FUEL™ ¼" Hex Impact Driver (*MIL* **2853-20**), (2) M18 REDLITHIUM™ XC5.0 Battery, (1) M18™ & M12™ Multi-Voltage Charger, (1) Side Handle, (2) Belt Clip, (2) Bit Holder, (1) Contractor Bag

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

Cordless Tools

CORDLESS COMBO KITS

Item No.	*CTM* **CMCK401D2**	*CTM* **CMCK200C2**
	V20* Cordless 4 Tool Combo Kit (2 Batteries)	V20* Cordless 2 Tool Combo Kit (2 Batteries)
Volts	20V MAX*	20V MAX*
Circular Saw	*CTM* **CMCS500**	—
Drill/Driver	*CTM* **CMCD700**	*CTM* **CMCD700**
Impact Driver	*CTM* **CMCF800**	*CTM* **CMCF800**
LED Worklight	*CTM* **CMCL020**	—
Charger/Batteries	(2) 20V MAX* 2.0Ah Lithium Ion Battery and 20V MAX* Lithium Ion Charge	(2) 20V MAX* 2.0Ah Lithium Ion Battery and 20V MAX* Lithium Ion Charge
Includes	Double Sided Bit, 6½" Circular Saw Blade, PH #2 Bit and Storage Bag	—

HANDHELD BLOWERS

Item No.	*DEW* **DCBL720P1**	*DEW* **DCBL770X1**
	20V MAX* XR® Brushless Blower Kit	FLEXVOLT® 60V MAX* Handheld Blower Kit
Max Air	400 CFM	423 CFM
Air Speed	90 MPH	175 MPH
Variable Speed	Yes	Yes
Speed Lock	Yes	Yes
Noise†	61 dB(A)	67 dB(A)
Weight	7.1 lbs	9.8 lbs.
Charger/Batteries	Charger, (1) 20V MAX* XR® Lithium Ion (5.0 Ah)	Charger / 60V MAX* 3Ah 5Ah Lithium Ion
Includes	Charger, Battery	Concentrator Attachment, 60V MAX* 3Ah Battery and Charger

†*Tested to ANSI/OPEI B175.2-2012*

STRING TRIMMERS

Item No.	*DEW* **DCST920P1**	*DEW* **DCST970X1**
	20V MAX* XR® Brushless 12" String Trimmer Kit	FLEXVOLT® 60V MAX* Cordless String Trimmer Kit
Cut Swath	13"	15"
RPM	0-4,600 Lo / 0-6,000 Hi	0-5,600/ 0-6,600 rpm
Variable Speed	Yes	Yes
Hi/lo Speed Control	Yes	Yes
Line Diameter	0.080"	0.080/.095"
Weight	8.5 lbs	12 lbs.
Charger/Batteries	Charger, (1) 20V MAX* XR® Lithium Ion (5.0 Ah)	Charger / FLEXVOLT 20V/60V MAX* 3Ah Lithium Ion Battery
Includes	Charger, Battery	FLEXVOLT® 20V/60V MAX* 3Ah Lithium Ion battery, charger, auxiliary handle and 0.080" prewound in the spool

CORDLESS CHAINSAW

Item No.	*DEW* **DCCS620P1**	*DEW* **DCCS670X1**
	20V MAX* XR® Compact 12 In. Cordless Chainsaw Kit	FLEXVOLT® 60V Max* Brushless Cordless Chainsaw Kit
Volts	20V MAX*	60V MAX*
Chain Gauge	0.043	—
Chain Speed	25.2 ft/s	—
Oregon Bar and Chain	12". Bar And Chain	16". Bar And Chain
Chain Pitch	3/8"	—
Weight	9 lbs.	12.2 lbs.
Charger/Batteries	20V MAX* 5Ah Lithium Ion	60V MAX* 3.0Ah Lithium Ion
Includes	20V MAX* 5Ah Lithium Ion battery, charger and hard bar cover	60V MAX* 3Ah battery, charger and hard bar cover

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CORDLESS CHAINSAWS

V20* Cordless Compact 12 in. Chainsaw Kit (4.0Ah)

V20* Cordless Compact 6 in. Chainsaw Lopper Kit (2.0Ah)

V20* Cordless Pole Chainsaw Kit (4.0Ah)

Item No.	*CTM* **CMCCS620M1**	*CTM* **CMCCSL621D1**	*CTM* **CMCCSP20M1**
Volts	20V	20V	20V
Charger/Batteries	V20* 4.0Ah Lithium Ion Battery and V20* Lithium Ion Charger	V20* 2.0Ah Battery and V20* Lithium Ion Charger	V20* 4.0Ah Lithium Ion Battery and V20* Lithium Ion Charger
Includes	—	Wrench and Oil Bottle	Instruction Manual and Extension Pole

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

HEDGE TRIMMER

20V MAX* Hedge Trimmer Kit

Item No.	*DEW* **DCHT820P1**
Blade Length	22"
Cutting Strokes per Minute	2,800
Max Cutting Capacity	3/4"
Weight	7.8 lbs
Charger/Batteries	Charger, (1) 20V MAX* XR® Lithium Ion (5.0 Ah)
Tool Only	*DEW* **DCHT820B**
Includes	Charger, Battery

MULTIPORT SIMULTANEOUS FAST CHARGER

- Simultaneous Charger: All Ports Charge At The Same Time
- Charges 12V MAX*, 20V MAX*, and FLEXVOLT® 20V/60V MAX* Batteries
- 8 Amps Output Per Port (simultaneously)
- Charges (4) DCB204 battery in 40 mins
- Charges (4) DCB606 battery in 60 mins

DEW **DCB104**

BATTERIES

20V/60V MAX* Lithium Ion Battery

20V/60V MAX* FLEXVOLT Battery

20V/60V MAX* Lithium Ion Battery

60V/20V Battery Charger

2 Battery Item No.	*DEW* **DCB606-2**	*DEW* **DCB609-2**	*DEW* **DCB206-2**	—
1 Battery Item No.	*DEW* **DCB606**	—	*DEW* **DCB206**	*DEW* **DCB118**
Volts	20V/60V MAX*	20V/60V MAX*	20V MAX*	20V MAX*
Capacity	2.0 Ah / 6.0 Ah	9 Ah	6 Ah	6 Ah
Nicad / Lithium	Lithium Ion	Lithium Ion	Lithium Ion	Lithium Ion
Battery Type	Premium	Premium	Premium	Premium
Weight	2.2 lbs	3.2 lbs	3.5 lbs	1.4 lbs
Includes	(1) *DEW* **DCB606** FLEXVOLT Battery	(2) *DEW* **DCB209** Batteries	(2) *DEW* **DCB206** Batteries	*DEW* **DCB118** Fast Charger

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

POWER TOOLS

Cordless Tools

DEWALT

DEW **DCB205-2** 20V MAX* Premium XR Lithium Ion Battery (Double Battery Pack)

DEW **DCB204-2** 20V MAX* Premium XR Lithium Ion Battery (Double Battery Pack)

DEW **DCB203-2** 20V MAX* XR Lithium Ion Compact Battery (Double Battery Pack)

DEW **DCB201** 20V MAX* Lithium Ion Compact Battery

DEW **DCB127-2** 12V MAX* Lithium Ion Battery (Double Battery Pack)

DEW **DCB080** 8V MAX* Lithium Ion Battery

DEW **DC9096** 18V XRP™ Battery

DEW **DW9057** 7.2V Compact Battery

12V MAX* & 20V MAX* BATTERIES

20V MAX* – 60V MAX* Fan Cooled Fast Charger

12V MAX* – 20V MAX* Lithium Ion Battery Charger

"12V MAX* – 20V MAX* Lithium Ion Battery Charger"

12V - 20V MAX* Jobsite Charging Station

NiCd/NiMH/ Li-Ion 1-Hour Charger

Chargers	Volts	Capacity	*DEW* **DCB118**	*DEW* **DCB115**	*DEW* **DCB119**	*DEW* **DCB102**	*DEW* **DC9310**
DEW **DCB606** / *DEW* **DCB606-2**	20V/60V MAX*	—	60	X	X	X	
DEW **DCB206** / *DEW* **DCB206-2**	20V MAX*	—	45	45	45	X	
DEW **DCB127** / *DEW* **DCB127-2**	12V MAX*	—	X	30	30	90	
DEW **DCB200-2**	20V MAX*	2 Ah	X	60	90	X	
DEW **DCB201**	20V MAX*	1.5 Ah	X	30	30	X	
DEW **DCB203** / *DEW* **DCB203-2**	20V MAX*	3 Ah	X	35	35	90	
DEW **DCB204** / *DEW* **DCB204-2**	20V MAX*	4 Ah	X	70	70	90	
DEW **DCB205** / *DEW* **DCB205-2**	20V MAX*	5 Ah	X	70	70	90	
DEW **DC9096** / *DEW* **DC9096-2**	18V						60
DEW **DW9061**	9.6V						45
DEW **DW9057**	7.2V						30

X=Not Compatible, -2=Double Battery Pack

Milwaukee

BATTERIES

Kit Item No.	*MIL* **48-11-2440**	*MIL* **48-11-2460**	*MIL* **48-11-1835**	*MIL* **48-11-1850**
Volts	12	12	18	18
Capacity	2.0Ah	6.0Ah	3.0Ah	5.0Ah
Nicad/Lithium	Red Lithium	Red Lithium	Red Lithium	Red Lithium
Battery Type	M12 Extended Capacity	M12 Extended Capacity	M18 High Output Compact	M18 Extended Capacity
Weight	1 lb	1 lb	1.3 lbs	1.5 lbs
Includes	(1) *MIL* **48-11-2440** Battery	(1) *MIL* **48-11-2460** Battery	(1) *MIL* **48-11-1835** Battery	(1) *MIL* **48-11-1850** Battery

Milwaukee

STARTER KITS

Kit Item No.	*MIL* **48-59-2420**	*MIL* **48-59-1850**
Volts	12	18
Capacity	1.5 Ah / 6.0 Ah	1.5 Ah / 12 Ah
Nicad/Lithium	Red Lithium	Red Lithium
Battery Type	M12 Compact	M18 Extended Capacity
Weight	1.9 lbs	3.5 lbs
Includes	(1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**), (1) M12™ REDLITHIUM™ CP2.0 Battery (*MIL* **48-11-2420**)	(1) M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack (*MIL* **48-11-1850**), (1) M18™ & M12™ Multi-Voltage Charger (*MIL* **48-59-1812**)
Charger Type	M12	Dual - M12 & M18

MIL **48-59-2420**

MIL **48-59-1850**

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

CRAFTSMAN

CTM **CMCB204 /**
CTM **CMCB204-2**

CTM **CMCB202/**
CTM **CMCB202-2**

CTM **CMCB202-CK**

20V MAX* LI-ION BATTERIES

Item No	Type	Ah	Misc	LED State of Charge
CTM **CMCB202** *CTM* **CMCB202-2 (2 Pk.)**	20V Max	2Ah	X	Yes
CTM **CMCB204** *CTM* **CMCB204-2 (2 Pk.)**	20V Max	4Ah	X	Yes
CTM **CMCB202-CK**	20V Max	2Ah	Charger	Yes

CARLYLE TOOLS by NAPA

60 V, 2.0 AH POWER TOOL BATTERY CHARGER

Specifications

Dimensions..... 6.46" H x 4.92" L x 3.23" W
Voltage ..... 60 V

CHT **60VBP**

CARLYLE TOOLS by NAPA

12 V, 2.0 AH CARLYLE POWER TOOL BATTERY CHARGER

Make sure you always have power on hand with the Carlyle 12 Volt battery charger.
Dimensions: 3.19" H x 2.05" L x 1.77" W

CHT **12VBP**

CARLYLE TOOLS by NAPA

60 V POWER TOOL BATTERY CHARGER

Specifications

Dimensions..... 3.29" H x 7.09" L x 4.72" W
Min./Max. Amperage..... 0.85 A/1.15 A
Voltage ..... 60 V
Power Cord Length ..... 78 in.

CHT **60VBC**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

12 VOLT POWER TOOL BATTERY CHARGER

Make sure you always have power on hand with the Carlyle 12 Volt battery charger.

Specifications

Dimensions..... 2.11" H x 4.65" L x 3.76" W
Min./Max. Amperage..... 1.25 A / 1.65 A
Power Cord Length ..... 78 in.
Voltage ..... 12 V

CHT **12VBC**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Milwaukee

PROTECTIVE RUBBER TOOL BOOTS

- Form-fitting with a lightweight design
- Flexible material allows for easy install and removal
- Protects the tool and work surface while adding minimal size or weight to the tool
- Durable proprietary rubber designed to withstand corrosive materials commonly found in maintenance environments
- Best in class performance

M12™ FUEL™ STUBBY IMPACT BOOT

- Fits the M12 FUEL™ 3/8 in. and 1/2 in. stubby impact wrenches (*MIL* **2554**, *MIL* **2555**, *MIL* **2555P)**

MIL **49-16-2554**

M18™ FUEL™ HTIW PROTECTIVE BOOT

- Fits the M18 FUEL™ high torque impact wrench (*MIL* **2767-20** & *MIL* **2863-20**)

MIL **49-16-2767**

M18™ FUEL™ IMPACT WRENCH BOOT

- Fits all M18 FUEL compact impact wrenches (2854, 2855, 2855P)

MIL **49-16-2854**

M18™ FUEL™ IMPACT WRENCH BOOT

- Fits all M18 FUEL compact impact wrenches (2960, 2962, 2962P)

MIL **49-16-2960**

M12™ FUEL™ 3/8 IN. RATCHET PROTECTIVE BOOT

- Fits the M12 FUEL™ 3/8 in. ratchet (*MIL* **2557-20**)

MIL **49-16-2557**

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

POWER TOOLS

Corded Tools

CORDED DRILLS

3/8 In. (9.5 mm) VSR Pistol Grip Drill w/ Keyless Chuck

3/8 In. (9.5 mm) VSR Pistol Grip Drill Kit w/ Keyless Chuck

1/2 In. (12.7mm) VSR Drill

7 AMP 3/8 In. Drill/Driver

7 AMP 1/2 In. Hammer Drill

Item No.	*DEW* DWD112	*DEW* DWD110K	*DEW* DW235G	*CTM* CMED731	*CTM* CMED741
Chuck Size	3/8"	3/8"	1/2"	3/8"	1/2"
Keyless Chuck	Yes	Yes	No	Yes	Chuck Key/Holder
Amps	8.0 Amps	8.0 Amps	8.5 Amps	7 Amps	7 Amps
No Load Speed	0 - 2,500 rpm	0 - 2,500 rpm	0 - 850 rpm	Variable Speed 0-2,500	3,100 RPM/52,700BPM
Max Watts Out	650 W	650 W	600 W	—	—
Capacity In Wood (Spade Bit)	1"	1"	1 1/2"	—	—
Capacity In Wood (Auger Bit)	—	—	1 1/8"	—	—
Capacity In Wood (Hole Saw)	1 1/8"	1 1/8"	1 1/2"	—	—
Capacity In Steel (Twist Bit)	3/8"	3/8"	1/2"	—	—
Tool Weight	4.1 lbs	4.1 lbs	4.2 lbs	3.17	—
Power Source				AC	AC
Includes	—	—	360° Side handle and chuck key with holder	—	Side Handle, Chuck Key/ holder

CORDED IMPACT WRENCHES

1/2 In. (12.7mm) Impact Wrench

1/2 In. (12.7mm) Impact Wrench

7.5 Amp 1/2 In. Impact Wrench

Item No.	*DEW* DW292	*DEW* DW293	*CTM* CMEF901
Amps	7.5 Amps	7.5 Amps	7.5 Amps
No Load Speed	2,100 rpm	2,100 rpm	2,200 RPMs
Max. Torque	345 ft-lbs	345 ft-lbs	450 ft.-lbs.
Impacts/Min	2,700 ipm	2,700 ipm	2,700 IPMs
Anvil Type	Detent Pin	Hog Ring	Hog Ring Anvil
Tool Length	11 1/4"	11 1/4"	
Tool Weight	7.0 lbs	7.0 lbs	8.5 lbs.
Includes	Kit bag	—	—

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CORDED DIE GRINDERS

2 In. (50mm) Die Grinder

2 In. (50mm) Die Grinder

Item No.	*DEW* **DWE4887**	*DEW* **DWE4997VS**
Amps	4.2 AC/DC Amps	13 Amps
Max Watts Out	330 W	1700 W
No Load Speed	25,000 rpm	7,500 - 25,000
Spindle Thread	1/4" collet	1/4" collet w Spindle Lock
Switch Type	Paddle w/ Lock-On	Paddle w/ Lock-On
Tool Length	14"	
Tool Weight	3.65 lbs	4.32 lbs.
Includes	(2) Wrenches, 1/4" collet and 1/8" reducing sleeve	Wrench, 1/4" collet and 1/8" reducing sleeve

CORDED HEAT GUN

Corded Heat Gun

Item No.	*CTM* **CME531**
Max output temperature**	120°F to 1200°F

CORDED ANGLE GRINDERS

7 In. (180mm) Medium Angle Grinder

7 In. (180mm) 8,500 rpm Angle Grinder

6 In (150mm) High Performance Trigger Switch Grinder

4-1/2 – 5 In. (115-125mm) High Performance Paddle Switch Grinder

4-1/2 – 5 In. (115-125mm) High Performance Trigger Switch Grinder

Item No.	*DEW* **DW840**	*DEW* **DWE4517**	*DEW* **DWE43066**	*DEW* **DWE43114**	*DEW* **DWE43115**
Amps	13 AC/DC Amps	15 AC/DC Amps	13 Amps	13 Amps	13 Amps
Max Watts Out / Max Horsepower	2,250 W / 3.0 HP	3,000 W / 4 HP	1700 W / 2.3 HP	1700 W / 2.3 HP	1700 W / 2.3 HP
No Load Speed	8,000 rpm	8,500 rpm	9,000 rpm	11,000 rpm	11,000 rpm
Lock-On Trigger	—	Yes	—	—	—
Lock-Off Trigger	—	Yes	—	—	—
Spindle Lock	Yes	—	—	—	—
Spindle Thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Tool Length	16.1"	19.3"	16.5"	13"	13"
Tool Weight	7.4 lbs	12.1 lbs	5.7 lbs	5.5 lbs	5.5 lbs
Includes	Grinding wheel, wrench, backing flange clamp nut, 5" type 27 keyless adjustable guard and 2-position side handle	7" type 27 keyless adjustable guard and side handle	Side handle, inner and outer flange, 6" type 27 guard, 6" Type 1 guard and 5" type 27 guard	Side handle, inner and outer flange, 5" type 27 guard	Side handle, inner and outer flange, 5" type 27 guard

CORDED ANGLE GRINDERS

4-1/2 In. (115mm) Small Angle Grinder

4-1/2 In. (115mm) Small Angle Grinder"

6 Amp 4-1/2 in. Small Angle Grinder

Item No.	*DEW* **DWE4011**	*DEW* **DWE402**	*CTM* **CMEG100**
Amps	7.0 AC/DC Amps	11 AC/DC Amps	6 Amp
Max Watts Out / Max HP	850 W / 1.14 HP	1,400 W / 1.8 HP	
No Load Speed	12,000 rpm	11,000 rpm	12,000 RPMs
Spindle Thread	5/8"-11	5/8"-11	
Switch Type	Slide	Paddle w/ lock-on	
Dust Ejection System™	No	Yes	
Tool-Free Flange System	Yes	Yes	
Tool Length	10-3/4"	12"	
Tool Weight	3.9 lbs	4.6 lbs	
Includes	2-Position side handle, One-Touch™ guard type 27 and wrench	2-Position side handle, One-Touch™ guard type 27 and wrench	

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

Corded Tools

CORDED POLISHERS & SANDERS

4.5 AMP 6 In. Variable Speed Random Orbital Polisher

3 AMP 5-In. Random Orbit Sander

7 AMP 3 In. x 21 In. Belt Sander

Item No.	*CTM* **CMEE145**	*CTM* **CMEW231**	*CTM* **CMEW213**
Amps	4.5	3.0	7 Amp
Chuck Type	—	—	—
Max. RPM/OPM	Var. 2,500 - 6,800 OPM	Max. 12,000 OPM	800 FPM
Tool Weight	5-1/2 lbs.	2.9 lbs	—
Lock trigger	—	—	—
Power Source	AC	AC	—
Includes	Side Handle, Polishing pad, wrench	Random Orbit Sander and Dust bag	Belt Sander and On-Board Dust Bag

CORDED RECIPROCATING & JIG SAWS

10 Amp Reciprocating Saw

7.5 AMP Reciprocating Saw

5 AMP Variable Speed Jig Saw

6 AMP Variable Speed Jig Saw

Item No.	*DEW* **DWE304**	*CTM* **CMES300**	*CTM* **CMES610**	*CTM* **CMES612**
Amps	10	7	5	6
SPM/RPM	0 - 2,800 spm	Var. 0-3,200 RPM	Var. 0-3,000 SPM	Var. 0-3,200 SPM
Stroke Length	1 1/8"	—	—	—
Keyless Blade Clamp	Lever	—	—	—
4-Position Blade Clamp	Yes	—	—	—
Adjustable Shoe	No	—	—	—
Variable-Speed Trigger	Yes	—	—	—
Variable-Speed Dial	No	—	—	—
Orbital Action	No	—	—	—
Anti-Slip Comfort Grip	No	—	—	—
Weight	—	7 lbs	4.6 lbs.	5 lbs.
Cuts	—	Variety of positions	Pivots to 45°	Pivots to 45°
Blade	—	1 1/8" stroke length	Accepts both T & U blades, 3/4" stroke length	Accepts both T & U blades, 13/16" stroke length
Includes	—	Wood Blade	—	Allen Key, Wood Blade

3 AMP OSCILLATING TOOL KIT

3 Amp Oscillating Tool Kit is a 14 piece kit featuring a universal Tool-Free accessory system which makes adjusting and changing attachments quick and easy. The variable speed dial offers maximum control across a variety of applications and materials. This tools versatility and various attachments will help you accomplish multiple tasks.

- OPTIMAL CONTROL: Variable speed from 10,000 to 22,000 OPM provides optimal control in application
- QUICK AND EASY ACCESSORY CHANGES: Tool-Free universal attachment system makes change accessories quick and easy
- ADDED COMFORT: Contoured over-molded handle for added comfort during use

Includes: CMEW400 Oscillating Tool, Bi-Metal Blade, Sanding Platen, (3) 100 grit, (2) 80 grit, and (2) 240 grit sandpaper, Wood blade, Scraper

CTM **CMEW400**

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

CORDED CIRCULAR SAW

Item No.	13 AMP 7-1/4 In. *CTM* **CMES500**	15 AMP 7-1/4 In. *CTM* **CMES510**
Amps	13	15
RPM	5,300 RPM	5,500 RPM
Weight	8 lbs.	5-1/2 lbs.
Cuts	Pivots up to 45°	Beveling shoe up to 55° for angled cuts with detents at 22.5 and 45° for ease of use
Blade	7 1/4"	7 1/4", 2x capacity
	7 1/4" Stainless steel blade, hex wrench	7 1/4" 18T Carbide tip blade, hex wrench

CORDED CHAINSAW

Item No.	12 Amp* Corded 16 in. Chainsaw *CTM* **CMECS600**
Amps	12 Amp
Oregon Bar and Chain	16" Bar & Chain
Tool Weight	8.5 lbs.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CHOP SAWS

Item No.	14 In. (355mm) Chop Saw w/ QUIK-CHANGE™ Keyless Blade Change System *DEW* **D28715**	15 AMP 14 In. Chop Saw *CTM* **CMEM2500**
Amps	15 AC/DC Amps	15
No Load Speed	4,000 rpm	3800 RPM
Max Horsepower	5.5 Max HP	—
Quick Lock Vise	Yes	—
Wheel Arbor	1"	
Wheel Diameter	14"	14" Dia.
Max Capacity (Round)	5"	—
Max Capacity (Rectangular)	4 1/2" x 6 1/2"	—
Miter Capacity	45°	Up to 45° Bevel
Blade Change	QUIK-CHANGE™	—
Includes	14" Abrasive wheel, fence wrench and tool free flange system	14" abrasive wheel, wrench

BENCH GRINDERS

Item No.	8 In. (205mm) Bench Grinder *DEW* **DW758**	6 In. (152.4mm) Bench Grinder *DEW* **DW756**
Amps	4.2 AC Amps	4.0 AC Amps
Max Horsepower	3/4 HP	5/8 HP
No Load Speed	3,600 rpm	3,450 rpm
Wheel Diameter	8"	6"
Spindle Diameter	5/8"	1/2"
Adjustable Tool Resets	Yes	Yes
Tool Length	16"	15"
Tool Weight	39.5 lbs	28.5 lbs

⚠ CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

Corded Tools & Driver Bits

CRAFTSMAN

6 AMP Handheld Planer
6 Amp Hand Planer provides smooth cutting in hard materials. This planer has a dual-side dust extractor that allows the flexibility to place the dust extraction on either side of the tool to keep the work area clean. The overmold depth knob offers 10 positive steps which allow for better planer control and multiple depth control settings, along with 3 chamfering grooves for options on edge chamfering. An 11.5-in. cast aluminum shoe provides added control and better finish quality. Plus, the 5/64-in. depth-of-cut removes excess material in less time.
CTM **CMEW300**

CRAFTSMAN

10 AMP BENCHTOP JOINTER
Features a variable speed range of 6,000 to 11,000 RPM and cutter head speed of 12,000 to 22,000 cuts per minute, allowing selection correct speed for material's size and hardness. Two-knife cutter head, with jackscrew knife leveling arrangement and built-in cutter head lock, allows for easy knife replacement and adjustment. Jointer is ideal for edging, flattening, or face jointing.
CTM **CMEW020**

CRAFTSMAN

15 AMP BENCHTOP THICKNESS PLANER
15 Amp Benchtop Thickness Planer motor allows for superior stock removal as its 8,000 RPM cutter head speed provides 16,000 cuts per minute. The two-knife, quick-change, solid steel cutter head assures smooth operation and long life. Ideal for dimensioning lumber to a desired thickness, and even planes glued-up materials.
CTM **CMEW320**

CARLYLE TOOLS by NAPA

INSERT BITS & SETS
Carlyle Tools Impact Bits are made to take a beating and continue to deliver superior quality results. Uniquely, and specifically designed for impact use and feature a torsion area that absorbs torque peaks which reduce stress prolonging bit life.

Item No.	Description	*CHT* IBS42 42 Pc. Set	*CHT* IBS35 35 Pc. Set	*CHT* IBS11 11 Pc. Set
CHT **IBP1125**	1.25" Phillips #1	•	•	•
CHT **IBP2125**	1.25" Phillips #2	•	•	•
CHT **IBP3125**	1.25" Phillips #3	•	•	•
CHT **IBPOZ1125**	1.25" Pozidriv #1	•	•	•
CHT **IBPOZ2125**	1.25" Pozidriv #2	•	•	•
CHT **IBPOZ3125**	1.25" Pozidriv #3	•	•	•
CHT **IBT10125**	1.25" Star 10	•	•	
CHT **IBT15125**	1.25" Star 15	•	•	•
CHT **IBT20125**	1.25" Star 20	•	•	•
CHT **IBT25125**	1.25" Star 25	•	•	•
CHT **IBT27125**	1.25" Star 27	•	•	
CHT **IBT30125**	1.25" Star 30	•	•	•
CHT **IBT40125**	1.25" Star 40	•		
CHT **IBP12**	2" Phillips #1	•	•	
CHT **IBP22**	2" Phillips #2	•	•	
CHT **IBP32**	2" Phillips #3	•	•	
CHT **IBPOZ12**	2" Pozidriv #1	•		
CHT **IBPOZ22**	2" Pozidriv #2	•		
CHT **IBPOZ32**	2" Pozidriv #3	•		
CHT **IBT102**	2" Star 10	•		
CHT **IBT152**	2" Star 15	•		
CHT **IBT202**	2" Star 20	•	•	
CHT **IBT252**	2" Star 25	•	•	
CHT **IBT272**	2" Star 27	•		
CHT **IBT302**	2" Star 30	•	•	
CHT **IBT402**	2" Star 40	•		
CHT **IBP13**	3" Phillips #1	•		
CHT **IBP23**	3" Phillips #2	•	•	
CHT **IBP33**	3" Phillips #3	•		
CHT **IBPOZ23**	3" Pozidriv #2	•		
CHT **IBT203**	3" Star 20	•	•	
CHT **IBT253**	3" Star 25	•	•	
CHT **IBT303**	3" Star 30	•	•	
CHT **IBP15**	5" Phillips #1	•	•	
CHT **IBP25**	5" Phillips #2	•	•	
CHT **IBP35**	5" Phillips #3	•	•	
CHT **IBT255**	5" Star 25	•	•	
CHT **IBT305**	5" Star 30	•	•	
CHT **IBMND8M**	Magnetic Nut Driver 8mm	•		
CHT **IBMND10M**	Magnetic Nut Driver 10mm	•		
CHT **IBMND12M**	Magnetic Nut Driver 12mm	•		
CHT **IBQCC26**	2.6" Quick Change Chuck	•	•	•

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

253 PC. DRILL AND DRIVER BIT SET

This 253 pc. Driver and Drill set includes the most popular screwdriver bit styles and drill bit styles to handle most any job around the home or shop.

- 203 Assorted driver bits have ¼ in. hex shafts and are made of impact grade chrome vanadium (CRV) steel for strength and durability
- 3 in. magnetic bit holder will work with all ¼ in. bits to securely hold screws in place
- 45 Assorted drill bits in 4 different styles for drilling into wood, metal, plastic and masonry
- 154 – 1 in. driver bits (22) Slotted: 1/8"– 5/16", (54) Phillips: #0 - #3, (27) frearson: #0 - #3, (16) star T15 – T40, (24) hex 1/8"– ¼" and 3 – 6mm, and (11) square #1 - #3
- 48 – 2" driver bits: (5) Slotted: 1/8"– 9/32"., (12) Phillips: #0 - #3, (12) frearson: #0 - #3, (5) star T15 – T40, (8) hex 1/8"– ¼" and 3 – 6 mm, and (6) square #1 - #3
- Carrying case included

BK **774-0014**

RIGHT ANGLE DRILL ATTACHMENT KIT

- Compact design allows work in tight areas
- Durable all metal housing and steel gears
- Rated up to 235 in-lbs of torque

Features

- ¼ in. hex right-angle drill/driver attachment; accepts standard ¼ in. hex shank bits
- For cordless 2.4- to 18 Volt drills; up to 235-inch-pounds of torque; allows work in tight spots
- Durable all-metal housing and steel gears

MIL **49-22-8510**

3 PC. POPLOCK IMPACT QUICK RELEASE LOCKING BIT ADAPTER SETS

CHT **PAS3**

Insert bit driver adapter features a premium, patented locking design, connecting two different materials together for maximum hardness performance of a S2 bit with Cr-Mo adapter.

- Sockets pops into adapter with one-handed operation
- Pop-Lock locking mechanism securely keeps socket in position during high speeds

Item No.	Length	Adapter Sizes
CHT **PAS3**	3"	1/4", 3/8", 1/2"
CHT **PAS14-3**	3", 4", 6"	1/4"
CHT **PAS38-3**	3", 4", 6"	3/8"

POPLOCK IMPACT QUICK RELEASE LOCKING BIT ADAPTER

Insert bit driver adapter features a premium, patented locking design, connecting two different materials together for maximum hardness performance of a S2 bit with Cr-Mo adapter.

- Socket pops into adapter with one-handed operation
- Pop-Lock locking mechanism securely keep socket in position during high speeds

CHT **PAB141425**

Item No.	Driver Size	Length
CHT **PAB141425**	1/4"	2.5"
CHT **PAB14143**	1/4"	3"
CHT **PAB14144**	1/4"	4"
CHT **PAB14146**	1/4"	6"
CHT **PAB14383**	3/8"	3"
CHT **PAB14384**	3/8"	4"
CHT **PAB14386**	3/8"	6"
CHT **PAB14123**	3/8"	3"

2.4 IN. STAINLESS IMPACT BIT HOLDER

Carlyle Tools impact bit holder absorbs torque peaks which reduces stress, prolonging bit life.

CHT **IBH24**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

QUICK CHANGE ADAPTER

Adapts any tool with a 1/8" shank to an air tool with a quick change chuck.

- Constructed of hardened steel
- 1/2" diameter

BK **710-0017**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

1/4 IN. HEX DRIVE MAGNETIC NUT SETTER SETS

CHT **MNSS9M**

The nutsetters each have a quick release hex shank and prominent laser-etched size identification for setting a variety of screws swiftly.

- Titanium plating is more rust-resistant
- Fits most powered corded or cordless drills
- Magnetic shaft holds fasteners securely to free up your hands in tight spaces

Item No.	Sizes
CHT **MNSS9M**	5, 5.5, 6, 7, 8, 9, 10, 11, 12mm
CHT **MNSS9**	1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

Driver Bits

SHOCKWAVE™ 1-7/8 IN. MAGNETIC NUTDRIVER SET

- Color-coded band for easy size identification
- Strong magnetic tip for secure grip
- Optimized shock zone for impact driver use

Features

- Chamfered edge allows for fastening in tight spaces
- Designed for use in impact drivers and drill driver
- Internal Shockzone™ absorbs peak torque and prevents breaking
- Custom Alloy76™ steel engineered for extended life
- Provides up to 30X life

Contents

Qty.	Description
1	1/4" Nut Driver
1	3/8" Nut Driver
1	5/16" Nut Driver
1	7/16" Nut Driver

MIL **49-66-4562**

3/8 IN. X 1/4 IN. HEX IMPACT ADAPTER

Convert your 3/8 in. square drive impact tool into a powerful 1/4 in. hex bit driver when extra torque is needed; such as driving extra-long deck screws, tightening anchor bolts or removing stuck fasteners.

- The 1/4 in. drive works with any standard 1/4 in. hex shaft screw driver bit
- We suggest using S2 HSS or stronger bits when using this adapter with any powered impact tool
- Constructed of chrome molybdenum steel for heavy-duty impact applications and long service life
- Positive locking quick-change collar delivers wiggle-free bit retention and solid on center rotation

NPT **61-ADP1438**

WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

SHOCKWAVE™ 6 PC. IMPACT EXTRACTOR SET

- Optimized geometry for secure grip on rusted or damaged fasteners
- Color-coded band for easy size identification
- For common sized fasteners 1/4 in. to 1/2 in.
- Retention holder to keep bits organized

Features

- Impact duty extractors with 3/8 in. drive and SHOCKWAVE™ socket adapter included
- Designed for use in impact drivers and drill driver
- Internal Shockzone™ absorbs peak torque and prevents breaking
- Custom Alloy76™ steel engineered for extended life
- Provides up to 30X life

Contents

Qty.	Description
1	SHOCKWAVE™ 1/4" Hex to 3/8" Square Socket Adapter *MIL* **48-32-5031**
1	5/16" / 8MM Extractor
1	3/8" Extractor
1	7/16" Extractor
1	1/4" Extractor
1	1/2" Extractor

MIL **48-32-8000**

1/2 IN. X 1/4 IN. HEX IMPACT ADAPTER

Convert your 1/2 in. square drive impact tool into a powerful 1/4 in. hex bit driver when extra torque is needed; such as driving extra-long deck screws, tightening anchor bolts or removing stuck fasteners.

- The 1/4 in. drive works with any standard 1/4 in. hex shaft screw driver bit
- We suggest using S2 HSS or stronger bits when using this adapter with any powered impact tool
- Constructed of chrome molybdenum steel for heavy-duty impact applications and long service life
- Positive locking quick-change collar delivers wiggle-free bit retention and solid on center rotation

NPT **61-ADP1412**

WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE TOOLS by NAPA

BK **HSJM13**

BI-METAL HOLE SAWS & SETS

High-speed steel edge welded to alloy steel back for heavy-duty cutting. Variable teeth pattern 4/6 TPI for safe and efficient cutting. Cutting depth is 1 7/8". For use on sheet metal, nail embedded wood, hardwood, floors, plywood and plastics. For use in portable electric drills, pneumatic tools and drill presses. Hole saw has thick, heavy-duty backing plate. Electron beam welded. HSS teeth, Bi-Metal hole saw without mandrel. Fits Mibro pilot bit 697671. **Note: Does NOT include mandrel.**

Part No.	Works With Hole Saw Dia.	Mibro Mandrel	*BK* HS8 8 Pc. Set	*BK* HSJM13 13 Pc. Set
BK **BMHS34**	3/4"	934841	•	•
BK **BMHS78**	7/8"	934841	•	•
BK **BMHS1**	1"	934841	•	•
BK **BMHS118**	1 1/8"	934841	•	•
BK **BMHS114**	1 1/4"	934841		
BK **BMHS138**	1 3/8"	935061		•
BK **BMHS112**	1 1/2"	935061	•	•
BK **BMHS158**	1 5/8"	935061		
BK **BMHS134**	1 3/4"	935061		•
BK **BMHS178**	1 7/8"	935061		
BK **BMHS2**	2"	935061		•
BK **BMHS218**	2 1/8"	935061		
BK **BMHS214**	2 1/4"	935061		•
BK **BMHS238**	2 3/8"	935061		
BK **BMHS212**	2 1/2"	935061		•
BK **BMHS234**	2 3/4"	935061		
BK **BMHS3**	3"	935061		
BK **BMHS314**	3 1/4"	935061		
BK **BMHS338**	3 3/8"	935061		
BK **BMHS312**	3 1/2"	935061		
BK **BMHS4**	4"	935061		
BK **BMHS418**	4 1/8"	935061		
BK **BMHS414**	4 1/4"	935061		
BK **BMHS412**	4 1/2"	935061		
BK **BMHS5**	5"	935061		
BK **BMHS6**	6"	935061		
BK **HSA114**	1/4" – 6" Arbor	—		
BK **HSA916**	9/16" – 1 3/16" Arbor	—	•	•
BK **HSAQ114**	1 1/4" – 6" Quick-Release Arbor	—	•	•
BK **OSPD1**	1/4" x 2 3/4" Pilot Drill Bit	—	•	•

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DEWALT

BI-METAL HOLE SAWS

DEWALT **Double Tooth Design** Increases life for greater number of hole

Competition

See Online Catalog For Details.

IRWIN

17 PC. GENERAL-PURPOSE HOLE SAW KIT

- Includes sizes: 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/2", 3", 1/2" Hex, 1/2" Hex, Pilot Drill (3)
- Super hard steel RC 65-66 for increased life
- 4/6 TPI reduces vibration
- Variable gullet depths provide more efficient chip removal

VG **3073004**

DEWALT

DEW **DAH9141PBM**

DEW **DAH9121PBM**

HOLE SAW ARBORS

- CONVENIENT BIT CHANGE: Design enables adjusting or replacing the pilot bit without removing the saw
- DURABLE CONSTRUCTION: Hardened steel for commercial applications
- IMPACT READY® *: Hex shank design for use in an impact drill.

Item No.	Type	Shank Size	Hole Saw Size
DEW **DAH9141PBM**	Standard, Impact	1/4"	9/16" to 1 3/16"
DEW **DAH9383PBM**	Standard	3/8"	1 1/4" to 6"
DEW **DAH9124PBM**	Standard	1/2"	1 1/4" to 6"
DEW **DAH9121PBM**	Quick Change	1/2"	1 1/4" to 6"

* Featured only on the DAH9141PBM

DEWALT

DEW **DAH91414PB**

PILOT BIT

- SMOOTH DRILLING: 135° split-point pilot bit easily penetrates steel and minimizes walking
- DURABLE CONSTRUCTION: Hardened steel for commercial applications

DEW **DAH91414PB**

CAUTION: For use with air tools only. **WARNING: Always wear approved eye protection when using impact sockets.**

Saw Blades

BK **JSB23414**

BK **JSB3126**

BK **RSB414**

BK **RSB66**

METAL- AND WOOD-CUTTING SAW BLADES

High quality saw blades designed for wood, metal and special applications. A flexible break resistant combination of HSS teeth electronically welded to flexible spring steel backs.

Item No.	Description	Qty.
Metal-Cutting Jig Saw Blades		
BK **JSB23414**	2¾" x 14 Teeth Per Inch Fast Cut Blade	1
BK **JSB23418**	2¾" x 18 Teeth Per Inch Medium Cut Blade	1
BK **JSB23424**	2¾" x 24 Teeth Per Inch Clean Cut Blade	1
Wood-Cutting Jig Saw Blades		
BK **JSB3126**	3½" x 6 Teeth Per Inch Fast Cut Blade	1
BK **JSB3128**	3½" x 8 Teeth Per Inch Medium Cut Blade	1
BK **JSB31210**	3½" x 10 Teeth Per Inch Clean Cut Blade	1
Metal-Cutting Reciprocating Saw Blades		
BK **RSB414**	4" x 14 Teeth Per Inch	1
BK **RSB418**	4" x 18 Teeth Per Inch	1
BK **RSB424**	4" x 24 Teeth Per Inch	1
BK **RSB610**	6" x 10 Teeth Per Inch	1
BK **RSB614**	6" x 14 Teeth Per Inch	1
BK **RSBS614**	6" x 14 Teeth Per Inch	5
BK **RSB618**	6" x 18 Teeth Per Inch	1
BK **RSBS618**	6" x 18 Teeth Per Inch	5
BK **RSB624**	6" x 24 Teeth Per Inch	1
BK **RSB914**	9" x 14 Teeth Per Inch	1
Wood-Cutting Reciprocating Saw Blades		
BK **RSB66**	6" x 6 Teeth Per Inch	1
BK **RSB810**	8" x 10 Teeth Per Inch	1
BK **RSBS810**	8" x 10 Teeth Per Inch	5
BK **RSB96**	9" x 6 Teeth Per Inch	1
BK **RSBS96**	9" x 6 Teeth Per Inch	5
BK **RSB126**	12" x 6 Teeth Per Inch	1
BK **RSBS126**	12" x 6 Teeth Per Inch	5

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10 PC. GENERAL-PURPOSE JIG SAW BLADE SET

High quality saw blades designed for wood, metal and special-applications. A flexible break resistant combination of HSS teeth electronically welded to flexible spring steel backs. Contains 10 general-purpose jig saw blades.

BK **JSBS10**

Contents

Qty.	Item No.
2	*BK* **JSB3126**
2	*BK* **JSB3128**
2	*BK* **JSB31210**
2	*BK* **JSB23414**
1	*BK* **JSB23418**
1	*BK* **JSB23424**

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NPT **6-5654**

AIR SAW BLADE ASSORTMENTS

For use with High-Speed Air Saw (*NPT* **6-1013**) and Mini Air Saw (*NPT* **6-1018**). Quantity: Pack/10.

Item No.	Description
NPT **6-5654**	All-Purpose, 18-Tooth
NPT **6-5655**	All-Purpose, 32-Tooth
NPT **6-5650**	Assorted, 3"
NPT **6-5651**	Scroll, 18-Tooth
NPT **6-5652**	Scroll, 24-Tooth
NPT **6-5653**	Scroll, 32-Tooth

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

METAL CUTTING BI-METAL RECIPROCATING SAW BLADES

DEW **DW4802-2 Z**

DEW **DW4810**

- UP TO 50% LONGER LIFE*: Patented toothforms optimize chip removal for efficient cutting and long life. *Average performance of DEWALT reciprocating saw blade range vs. prior generation DEWALT blades
- MADE IN THE U.S.A. WITH GLOBAL MATERIALS
- DURABLE BLADE DESIGN: Bi-metal construction delivers blade flexibility and a long-lasting cutting edge

Item No.	Width	Length	Teeth /in.	Pkg. Qty.
DEW **DW4810**	3/4"	4"	18	5
DEW **DW4802-2 Z**				

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

DEWALT

RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type	Qty.
2x™ Long Life Wood Cutting				
DEW **DWA4169**	9"	6	Taper	5
DEW **DWA41612**	12"	6	Taper	5
DEW **DWA4169B25**	9"	6	Taper	25
DEW **DWA41612B25**	12"	6	Taper	25
Wood Cutting				
DEW **DW4801**	6"	3	Taper	5
DEW **DW4802**	6"	6	Taper	5
DEW **DW4803**	9"	6	Taper	5
DEW **DW4804**	12"	6	Taper	5
DEW **DW4847**	6"	5/8	Taper	5
DEW **DW4848**	9"	5/8	Taper	5
DEW **DW4849**	12"	5/8	Taper	5
2X™ long Life Metal Cutting				
DEW **DWA4186**	6"	14/18	Straight	5
DEW **DWA4188**	8"	14/18	Straight	5
DEW **DWA4188B25**	8"	14/18	Straight	25
Metal Cutting				
DEW **DW4808-2**	6"	14	Straight	2
DEW **DW4813-2**	6"	24	Straight	2
DEW **DW4807**	4"	14	Straight	5
DEW **DW4808**	6"	14	Straight	5
DEW **DW4809**	8"	14	Straight	5
DEW **DW4838**	12"	14	Straight	5
DEW **DW4821**	8"	18	Straight	5
DEW **DW4812**	4"	24	Straight	5
DEW **DW4813**	6"	24	Straight	5
2X™ long Life General Purpose				
DEW **DWA4174**	4"	10	Straight	5
DEW **DWA4176**	6"	10	Straight	5
DEW **DWA4179**	9"	10	Straight	5
DEW **DWA41712**	12"	10	Straight	5
DEW **DWA4176B25**	6"	10	Straight	25
DEW **DWA4179B25**	9"	10	Straight	25
General Purpose				
DEW **DW4806-2**	6"	10	Straight	2
DEW **DW4845**	6"	10/14	Straight	5
DEW **DW4846**	8"	10/14	Straight	5
Specialty				
DEW **DW4851**	6"	6	Drywall Taper	—
DEW **DW4844**	6"	Coarse	Carbide Straight	—

DEWALT

METAL CUTTING BI-METAL RECIPROCATING SAW BLADES

- Taller high speed steel strip reduces breakage and maximizes tooth durability
- Patented tooth design utilizes shaper tooth geometry for faster cut rates
- Aggressive shank angle increases tooth contact, maintaining cutting speed as blade wears for longer blade life in wood and metal cutting applications

Item No.	Length	Teeth /in.	Pkg. Qty.
DEW **DWA41712**	12"	10	25

DEWALT

8 PC. 2X™ RECIPROCATING SAW BLADE SET WITH TELESCOPING CASE

Includes: (3), (3) *DEW* **DWA4186**, *DEW* **DWA4179**, *DEW* **DWA4188**

DEW **DWA4101**

DEWALT

RECIPROCATING SAW BLADES SETS

DEW **DW4856**

Item No.	Description	Includes
DEW **DW4853**	3 Pc. Bi-Metal Saw Blade Set	*DEW* **DW4802**, *DEW* **DW4806**, *DEW* **DW4811**
DEW **DW4856**	6 Pc. Bi-Metal Saw Blade Set	*DEW* **DW4802**, *DEW* **DW4847**, *DEW* **DW4806**, *DEW* **DW4808**, *DEW* **DW4811**, *DEW* **DW4813**
DEW **DW4892**	12 Pc. Bi-Metal Saw Blade Set w/ Telescoping Case	(3) *DEW* **DW4802**, (2) *DEW* **DW4811**, (2) *DEW* **DW4809**, (2) *DEW* **DW4803**, *DEW* **DW4865**

Milwaukee

4/5 TPI PRUNING SAWZALL® BLADE

- Optimal for cutting tree limbs and other landscaping cuts
- Fast, clean cuts in clean wood, plywood, OSB, lumber
- Unique fleam ground teeth cut in both directions

Features

- Induction hardened teeth for long life
- Staggered tooth pattern with 4 - 5 teeth per in.
- Compatible with all Milwaukee Sawzalls and Hackzalls
- 1/2 in. universal tang, for use with reciprocating saws

Item No.	Sizes	TPI	QTY.
MIL **48-00-1304**	9 In.	5	1
MIL **48-00-1305**	12 In.	5	1

⚠ **CAUTION: For use with air tools only.** **WARNING: Always wear approved eye protection when using impact sockets.**

Saw Blades

Milwaukee

12 PC. SAWZALL® BLADE SET

- Blades cut through wood, metal, and multi-material
- 1 in. tall blade profile for straighter cuts
- Jobsite durable storage case adjusts to hold up to 9 in. blades

Features

- Tough Neck™ ribs strengthen the blade tang and minimize breakage
- Double relief angle reduces tooth stress for long life
- Matrix II bi-metal teeth for greater durability
- Thicker blade Stock for maximum durability
- Made in the USA

Contents

Qty.	Description
4	6" 18 TPI Metal THE TORCH™ SAWZALL® Blades,
2	6" 5 TPI Wood THE AX™ SAWZALL® Blades
2	6" 7/11 TPI Multi-Material THE WRECKER™ SAWZALL® Blades
2	9" 14 TPI Metal THE TORCH™ SAWZALL® Blades
2	9" 5 TPI Wood THE AX™ SAWZALL® Blades

MIL **49-22-1129**

THE AX SAWZALL® BLADES

Item No.	Sizes	TPI	QTY.
MIL **48-00-5021**	6 In.	5	5
MIL **48-00-5026**	9 In.	8	5

THE WRECKER™ MULTI-MATERIAL SAWZALL® BLADE

Item No.	Sizes	TPI	QTY.
MIL **48-00-5701**	6 In.	7/11	5
MIL **48-00-5706**	9 In.	7/11	5

6 IN. 18 TPI SAWZALL® BLADES

MIL **48-00-5184** 5 Blades

THE TORCH™ SAWZALL® 18 TPI BLADES

Item No.	Sizes	TPI	QTY.
MIL **48-00-5784**	6 In.	18	5
MIL **48-00-5788**	9 In.	18	5

LENOX POWER BLAST TECHNOLOGY — MADE IN USA — T2 Technology

LAZER BLADES FOR HEAVY METAL CUTTING

Power Blast Technology Increases Blade Life
High speed blasting along the cutting edge strengthens the blade to reduce breaks and increase durability
Longer Blade Life & Versatility
T2 Technology's patented tooth form reduces cutting forces on each tooth and optimizes chip removal to allow efficient cutting in the widest array of materials
Straighter Cuts in Large Diameter Materials
Wider than conventional metal cutting blades, this blade will cut straighter and offer longer life in the most demanding metal cutting applications

Item No.	Description
VG **201769110R**	9x10 TPI
VG **2019012118R**	12x18 TPI

LENOX POWER BLAST TECHNOLOGY — MADE IN USA — T2 Technology

DEMOLITION BLADE

Power Blast Technology Increases Blade Life
High speed blasting along the cutting edge strengthens the blade to reduce breaks and increase durability
Longer Blade Life & Versatility
T2 Technology's patented tooth form reduces cutting forces on each tooth and optimizes chip removal to allow efficient cutting in the widest array of materials
Maximum Durability
Taller and thicker blade profile versus traditional blades prevents bending during cutting and provides maximum control in the toughest demolition applications

Item No.	Description
VG **20372960R5**	9x10 TPI

LENOX POWER BLAST TECHNOLOGY — MADE IN USA — T2 Technology

METAL CUTTING BLADE

Power Blast Technology Increases Blade Life
High speed blasting along the cutting edge strengthens the blade to reduce breaks and increase durability
Advanced Metal Cutting Tooth Forms
Patented metal cutting TPIs provide faster and more efficient cutting in the widest array of common, metal construction materials

Item No.	Description
VG **20564614R**	6x14 TPI
VG **20566618R**	6x18 TPI
VG **20578818R**	8x18 TPI
VG **20580810R**	6x10 TPI
VG **20583110R**	12x10 TPI

CARLYLE TOOLS by NAPA

CONTINUOUS RIM TURBO DIAMOND SAW BLADES

Cutting edge sintered on to the blade body for safety and performance. 2% Cobalt in the matrix gives superior performance. Synthetic diamonds are carefully selected for hardness giving consistent blade performance. Dry/wet cut concrete/masonry.

Item No.	Size
BK **DSBT4**	4"
BK **DSBT45**	4½"
BK **DSBT7**	7"
BK **DSBT10**	10"

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WARNING: Always wear approved eye protection when using power tools.

CARLYLE TOOLS by NAPA

CONTINUOUS RIM DIAMOND SAW BLADES

Cutting edge sintered on to the blade body for safety and performance. 2% Cobalt in the matrix gives superior performance. Synthetic diamonds are carefully selected for hardness giving consistent blade performance. Wet cut concrete/masonry.

Item No.	Size
BK **DSB4**	4"
BK **DSB45**	4½"
BK **DSB7**	7"
BK **DSB10**	10"

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CARLYLE TOOLS by NAPA

SEGMENTED RIM DIAMOND SAW BLADES

Cutting edge sintered on to the blade body for safety and performance. 2% Cobalt in the matrix gives superior performance. Synthetic diamonds are carefully selected for hardness giving consistent blade performance. Dry cut concrete/masonry.

Item No.	Size
BK **DSBS4**	4"
BK **DSBS45**	4½"
BK **DSBS7**	7"
BK **DSBS10**	10"

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LENOX POWER BLAST TECHNOLOGY

LENOX METALMAX™ RANGE TYPE 1 CUT-OFF WHEELS

New alternative to abrasive cut-off wheels. Its breakthrough diamond technology delivers extreme durability to help you maximize work efficiencies and reduce costs in your metal cutting jobs.

Diameter Retention

Made with diamonds, it doesn't get smaller. The cutting edge depth stays the same throughout its life, meaning better control, reach and precision.

Safety

Made with a solid steel body that is stronger to greatly reduce the risk of breakage.

Less Dust Residue

Less odor and dust residue as the wheel does not wear down like bonded adhesives. Visible sparks originate only from the material being cut.

1000+ CUTS

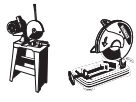
Lenox MetalMax delivers 1,000 or more cuts with no need for wheel changes. That is 30 times longer life than thin bonded cut-off wheels.

Item No.	Diameter	Thickness	Arbor	Optional Arbor Adjustment	Power Tool Type	RPM Max
VG **1972914**	1.5"	.050"	3/8"	1/4"	Die Grinder	39200
VG **1972917**	2"	.050"	3/8"	1/4"	Die Grinder	30500
VG **1972918**	3"	.050"	3/8"	1/4"	Die Grinder	20300
VG **1972919**	4"	.050"	3/8"	1/4"	Die Grinder	15200
VG **1972920**	4"	.050"	5/8"	1/4"	Angle Grinder	15200
VG **1972921**	4.5"	.050"	7/8"	—	Angle Grinder	13200
VG **1972922**	5"	.050"	7/8"	—	Angle Grinder	12200
VG **1972923**	6"	.050"	7/8"	Diamond Knock Out	Angle Grinder/Circular Saw	10100
VG **1972924**	7"	.060"	7/8"	Diamond Knock Out	Angle Grinder/Circular Saw	8400
VG **1972925**	8"	.060"	5/8"	Diamond Knock Out	Circular Saw	7600
VG **1972926**	10"	.100"	5/8"	—	Stationary/Small Chop Saw	5900
VG **1972927**	12"	.130"	1"	—	Chop Saw	5000
VG **1972929**	14"	.130"	1"	—	Chop Saw	4300
VG **1972932**	14"	.150"	1"	—	20mm Gas Saw	5300

DEWALT

METAL CHOP SAW WHEELS

Item No.	Dia.	Thickness	Arbor	Grit	Application	Max Rpm	Pack Qty.
DEW **DWA8011**	14"	—	1"	A24RBF	Metal Fast Cutting	4300	10



WARNING: Always wear approved eye protection when using power tools.

Drill Bits

AUGER BITS

- Designed for fast drilling in soft woods
- Center screw point at the tip starts the hole and helps pull the bit through the material for fast boring
- Sharp cutting lip and a wide spiral flute designed to give ample clearance for chip flow
- Precision ground from special-alloy tool steel and heat-treated along the entire length for added strength
- Carbon steel

Item No.	Size	Flute Length
BK **AUGB5326**	5/16" x 6"	4"
BK **AUGB5406**	3/8" x 6"	4"
BK **AUGB5566**	1/2" x 6"	4"
BK **AUGB5586**	5/8" x 6"	4"
BK **AUGB5606**	3/4" x 6"	4"
BK **AUGB5626**	7/8" x 6"	4"
BK **AUGB564**	1" x 6"	4"
BK **SAB54018**	3/8" x 18"	13 3/4"
BK **SAB55618**	1/2" x 18"	13 3/4"
BK **SAB55818**	5/8" x 18"	13 3/4"
BK **SAB56018**	3/4" x 18"	13 3/4"
BK **SAB56218**	7/8" x 18"	13 3/4"
BK **SAB56418**	1" x 18"	13 3/4"
BK **SAB56518**	1 1/8" x 18"	13 3/4"
BK **SAB56618**	1 1/4" x 18"	13 3/4"

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23 PC. TITANIUM NITRIDE SHOCKWAVE™ RED HELIX KIT

- Titanium coating for up to 3X life vs. black oxide
- 135° split point for precision start no walking
- ENHANCED TAPERED WEB™ strengthens the bits core
- SHOCKWAVE™ Impact duty, engineered for drills and impacts

Features

- RED HELIX™ design for Rapid Chip Removal™
- CHIP BREAKER™ decreased heat buildup
- Individual open stock replacement bits available

Contents

Qty.	Description
1	9/64" Titanium SHOCKWAVE™ (*MIL* **48-89-4606**)
2	7/64" Titanium SHOCKWAVE™ (*MIL* **48-89-4604**)
1	7/32" Titanium SHOCKWAVE™ (*MIL* **48-89-4611**)
2	5/64" Titanium SHOCKWAVE™ (*MIL* **48-89-4602**)
2	5/32" Titanium SHOCKWAVE™ (*MIL* **48-89-4607**)
1	5/16" Titanium SHOCKWAVE™ (*MIL* **48-89-4617**)
1	3/8" Titanium SHOCKWAVE™ (*MIL* **48-89-4621**)
1	3/32" Titanium SHOCKWAVE™ (*MIL* **48-89-4603**)
2	3/16" Titanium SHOCKWAVE™ (*MIL* **48-89-4609**)
1	13/64" Titanium SHOCKWAVE™ (*MIL* **48-89-4610**)
1	11/64" Titanium SHOCKWAVE™ (*MIL* **48-89-4608**)
2	1/8" Titanium SHOCKWAVE™ (*MIL* **48-89-4605**)
2	1/4" Titanium SHOCKWAVE™ (*MIL* **48-89-4613**)
1	1/2" Titanium SHOCKWAVE™ (*MIL* **48-89-4629**)
2	1/16" Titanium SHOCKWAVE™ (*MIL* **48-89-4601**)

MIL **48-89-4631**

SPADE BITS

- Commonly used by the do-it-yourselfer for drilling fast holes in all types of wood and wood composites
- Hardened tip prevents twisting
- Drills holes faster and cleaner than conventional spade bits
- Uses less energy, allowing cordless drills to cut more holes per charge
- Carbon steel
- Overall length is 6"

Item No.	Description
BK **SPB5246**	1/4" x 6"
BK **SPB5326**	5/16" x 6"
BK **SPB5406**	3/8" x 6"
BK **SPB5486**	7/16" x 6"
BK **SPB5566**	1/2" x 6"
BK **SPB5576**	9/16" x 6"
BK **SPB5586**	5/8" x 6"
BK **SPB5596**	11/16" x 6"
BK **SPB5606**	3/4" x 6"
BK **SPB5616**	13/16" x 6"
BK **SPB5626**	7/8" x 6"
BK **SPB5636**	15/16" x 6"
BK **SPB5646**	1" x 6"
BK **SPB5656**	1 1/8" x 6"
BK **SPB5666**	1 1/4" x 6"
BK **SPB5676**	1 3/8" x 6"
BK **SPB5686**	1 1/2" x 6"
BK **SPB5696**	6" Length Spade Bit Extension
BK **SPB57012**	12" Length Spade Bit Extension
BK **SPB5401**	6 Pc. Set. Includes *BK* **SPB5406** 3/8", *BK* **SPB5566** 1/2", *BK* **SPB5586** 5/8", *BK* **SPB5606** 3/4", *BK* **SPB5626** 7/8" and *BK* **SPB5646** 1" Spade Bits

WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov./wood.

WARNING: (*BK* SPB57012 Only) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

29 PC. THUNDERBOLT® BLACK OXIDE DRILL BIT SET

- Drill through metal, wood and PVC
- 135° split point for precision start no walking
- ENHANCED TAPERED WEB™ strengthens the bits core

Features

- Parabolic flute, clears chips faster
- 3-Flat Secure Grip shank reduces bit slipping in the chuck
- Individual open stock replacement bits available

Contents

Qty.	Description
1 ea.	1/16" through 1/2" by 64ths Thunderbolt Black Oxide Drill Bit

MIL **48-89-2802**

RED HELIX™ COBALT 15 PC. DRILL BIT SET

- Cobalt alloy for up to 15X Life vs. Black Oxide Drill Bits
- QUADEDGE TIP™ designed to decrease heat build up and drill faster
- ENHANCED TAPERED WEB™ strengthens the bits core

Features

- RED HELIX™ design for Rapid Chip Removal™
- CHIP BREAKER™ decreased heat buildup
- 3-Flat Secure Grip shank reduces bit slipping in the chuck
- Individual open stock replacement bits available

Contents

Qty.	Description
1	9/64" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2306**)
1	7/64" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2304**)
1	7/32" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2311**)
1	5/64" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2302**)
1	5/32" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2307**)
1	5/16" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2317**)
1	3/8" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2321**)
1	3/32" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2303**)
1	3/16" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2309**)
2	1/8" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2305**)
2	1/4" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2313**)
1	1/2" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2329**)
1	1/16" COBALT RED HELIX™ Drill Bit (*MIL* **48-89-2301**)

MIL **48-89-2331**

WARNING: Always wear approved eye protection when using power tools.

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CARLYLE TOOLS by NAPA

CHT **3500SLBL**
Power Tool Drawer

CHT **350072CBL**
CHT **350072BBL**

CHT **3500SCBL**

CHT **3500SLBL** *CHT* **3500SCBL**

CHT **350072HBL**

CHT **350072CBL**

CHT **350072BBL**

Reflex Blue **Jet Black**

CARLYLE® 3500 SERIES TOOLBOXES

- The 3500 series line of toolboxes was built with the intent to last a lifetime, but we decided to take that one step further and built it to last for generations.
- The 3500 series is backed by an outstanding lifetime "transferable warranty". This will be the last toolbox you ever need to buy!
- The 3500 series is offered in two sizes (72" and 60") and color choices (Reflex Blue and Jet Black). Complete your setup with the optional coordinating pneumatic assisted top-chest or hutch, matching side cabinet or locker. Stainless steel and butcher-block work surfaces are also available

Boxes Available	Bottom Chest, Top Chest & Hutch
Available (W)	72" & 60"
Depth	30"
Frame Gauge	14 Gauge (2mm)
Drawer Gauge	16 Gauge (1.5mm)
Casters	1,500 lbs. - 6" x 2" (2x Locking) 60"/72" - 6x Casters
Lock/Key	Tubular (NAPA Logo Key)
Slides	240 lbs. per Slide
Drawer Liners	PVC (Embossed)
Lift/Lock Drawer Design	Yes (Bottom Chest & Top Chest)
Power Bank	Yes (Bottom Chest, Top Chest & Hutch)
Lift Lid	Gas Strut
Warranty	Transferable Lifetime
Trim	Black

CARLYLE® 72 IN. 3500 SERIES TOOLBOXES

72 IN. Hutch

- 72" W x 26" D x 23.8" H
- Total Cu. In.: 47,201

Item No.	Description
CHT **350072HBK**	Black
CHT **350072HBL**	Blue

72 IN. Top Chest

- 72" W x 26" D x 25.3" H
- Total Cu. In.: 41,647
- Lift Top: 4.68" D
- 13 Drawers

72 IN. TOP CHEST DRAWER DIMENSIONS		
3.1" x 10.8"	3.1" x 43.3"	3.1" x 10.8"
3.1" x 10.8"	3.1" x 43.3"	3.1" x 10.8"
3.1" x 10.8"	3.1" x 43.3"	3.1" x 10.8"
6.5" x 10.8"	6.5" x 43.3"	6.5" x 10.8"
6.1" x 68"		

Item No.	Description
CHT **350072CBK**	Black
CHT **350072CBL**	Blue

72 IN. Bottom Chest

- 72" W x 30" D x 43.56" H
- Total Cu. In.: 41,725
- 13 Drawers

72 IN. BOTTOM CHEST DRAWER DIMENSIONS		
6.1" x 55.1"		3.1" x 10.8"
3.1" x 55.1"		27" x 10.8"
3.1" x 10.8"	3.1" x 43.3"	
3.1" x 10.8"	3.1" x 43.3"	
3.1" x 10.8"	3.1" x 43.3"	
9.4" x 10.8"	3.1" x 43.3"	
	6.1" x 43.3"	

Item No.	Description
CHT **350072BBK**	Black
CHT **350072BBL**	Blue

CARLYLE® 3500 SERIES TOOLBOX ACCESSORIES

Side Cabinet

- 15" W x 30" x D x 43.56" H
- Total Cu. In.: 6,723
- 6 Drawers

SIDE CABINET DIMENSIONS
6.1" x 10.8"
4.5" x 10.8"
3.1" x 10.8"
3.1" x 10.8"
3.1" x 10.8"
9.4" x 10.8"

Item No.	Description
CHT **3500SCBK**	Black
CHT **3500SCBL**	Blue

Side Locker

- 19" W x 30" D x 76.56" H
- Total Cu. In.: 30,018
- (1) Locker; (3) Drawers

SIDE LOCKER DIMENSIONS
7.9" x 19"
7.9" x 19"
35" x 19"
3.1" x 19"
3.1" x 19"
9.6" x 19"

Item No.	Description
CHT **3500SLBK**	Black
CHT **3500SLBL**	Blue

CARLYLE® 60 IN. 3500 SERIES TOOLBOXES

60 IN. Hutch

- 60" W x 30" D x 31.5" H
- Total Cu. In.: 28,860

Item No.	Description
CHT **350060HBK**	Black
CHT **350060HBL**	Blue

60 IN. Top Chest

- 60" W x 30" D x 33" H
- Total Cu. In.: 33,912
- Lift Top: 4.68" D
- 11 Drawers

60 IN. TOP CHEST DRAWER DIMENSIONS	
3.1" x 43.3"	3.1" x 10.8"
3.1" x 43.3"	3.1" x 10.8"
3.1" x 43.3"	3.1" x 10.8"
3.1" x 43.3"	6.5" x 10.8"
3.1" x 43.3"	6.5" x 10.8"
6.1" x 68"	

Item No.	Description
CHT **350060CBK**	Black
CHT **350060CBL**	Blue

60 IN. Bottom Chest

- 60" W x 30" D x 43.56" H
- Total Cu. In.: 36,257
- 9 Drawers

60 IN. BOTTOM CHEST DRAWER DIMENSIONS	
6.1" x 43.3"	3.1" x 10.8"
4.5" x 43.3"	27" x 10.8"
3.1" x 43.3"	
3.1" x 43.3"	
3.1" x 43.3"	
3.1" x 43.3"	
6.1" x 43.3"	

Item No.	Description
CHT **350060BBK**	Black
CHT **350060BBL**	Blue

CARLYLE® BUTCHER BLOCK OR STAINLESS STEEL WORK SURFACE

Side Cabinet

Item No.	Description
CHT **350072WT**	72" Butcher Block
CHT **350060WT**	60" Butcher Block
CHT **350072ST**	72" Stainless Steel
CHT **350060ST**	60" Stainless Steel

CHT **350072ST**

CHT **350072WT**

CARLYLE TOOLS by NAPA

CHT **250072CBK**
CHT **250072HBK**

CHT **250041CBK**
CHT **250041 HBK**

CHT **250054HBK**

CHT **250054CBK**

CHT **250054BBK**

Reflex Blue

Jet Black

CARLYLE® 2500 SERIES TOOLBOXES

- The 2500 series was built to be a powerful workhorse offering uncompromising durability and space that will last a professional for a lifetime.
- This series is offered in three sizes (72", 54" & 41") with coordinating top-chest, hutch, stainless and butcher-block work surfaces available. Two color choices (Reflex Blue and Jet Black).

Boxes Available	Bottom Chest, Top Chest & Hutch
Available (W)	72", 54" & 41"
Depth	26"
Frame Gauge	14 Gauge (2mm)
Drawer Gauge	18 Gauge (1.2mm)
Casters	770 lbs. - 6" x 2" (2x Locking) 41"/54" - 4x Casters, 72" - 6x Casters
Lock/Key	Tubular (NAPA Logo Key)
Slides	165 lbs. per Slide
Drawer Liners	PVC (Embossed)
Lift/Lock Drawer Design	Yes (Bottom Chest & Top Chest)
Power Bank	Yes (Bottom Chest, Top Chest & Hutch)
Lift Lid	Gas Strut
Warranty	Lifetime
Trim	Black

CARLYLE® 72 IN. 2500 SERIES TOOLBOXES

72 IN. Hutch

- 72" W x 26" D x 23.8" H
- Total Cu. In.: 23,721

Item No.	Description
CHT **250072HBK**	Black
CHT **250072HBL**	Blue

72 IN. Top Chest

- 72" W x 26" D x 25.3" H
- Total Cu. In.: 27,761
- Lift Top: 3.5" D
- 10 Drawers

72 IN. TOP CHEST DRAWER DIMENSIONS		
3" x 16.1"	3" x 32.1"	3" x 16.1"
3" x 16.1"	3" x 32.1"	3" x 16.1"
4.7" x 16.1"	4.7" x 32.1"	4.7" x 16.1"
6.65" x 68.1"		

Item No.	Description
CHT **250072CBK**	Black
CHT **250072CBL**	Blue

72 IN. Bottom Chest

- 72" W x 26" D x 40" H
- Total Cu. In.: 32,266
- 12 Drawers

72 IN. BOTTOM CHEST DRAWER DIMENSIONS		
6.3" x 68.1"		
6.3" x 68.1"		
3" x 16.1"	3" x 32.1"	3" x 16.1"
3" x 16.1"	3" x 32.1"	3" x 16.1"
7.2" x 16.1"	3.2" x 32.1"	7.2" x 16.1"
	3.9" x 32.1"	

Item No.	Description
CHT **250072BBK**	Black
CHT **250072BBL**	Blue

CARLYLE® 54 IN. 2500 SERIES TOOLBOXES

54 IN. Hutch

- 54" W x 26" D x 23.8" H
- Total Cu. In.: 17,489

Item No.	Description
CHT **250054HBK**	Black
CHT **250054HBL**	Blue

54 IN. Top Chest

- 54" W x 26" D x 25.3" H
- Total Cu. In.: 20,867
- Lift Top: 3.5" D
- 8 Drawers

54 IN. TOP CHEST DRAWER DIMENSIONS	
3" x 16.1"	3" x 32.1"
3" x 16.1"	3" x 32.1"
4.7" x 16.1"	4.7" x 32.1"
6.3" x 16.1"	6.3" x 32.1"

Item No.	Description
CHT **250054CBK**	Black
CHT **250054CBL**	Blue

54 IN. Bottom Chest

- 54" W x 26" D x 40" H
- Total Cu. In.: 24,032
- 11 Drawers

54 IN. BOTOM CHEST DRAWER DIMENSIONS	
4.7" x 50"	
3" x 50"	
3" x 16.1"	3" x 32.1"
3" x 16.1"	3" x 32.1"
3" x 16.1"	3" x 32.1"
8.8" x 16.1"	3" x 32.1"
	5.6" x 32.1"

Item No.	Description
CHT **250054BBK**	Black
CHT **250054BBL**	Blue

CARLYLE® 41 IN. 2500 SERIES TOOLBOXES

41 IN. Hutch

- 41" W x 26" D x 23.8" H
- Total Cu. In.: 12,989

Item No.	Description
CHT **250041HBK**	Black
CHT **250041HBL**	Blue

41 IN. Top Chest

- 41" W x 26" D x 25.3" H
- Total Cu. In.: 15,641
- Lift Top: 3.5" D
- 5 Drawers

41 IN. TOP CHEST DRAWER DIMENSIONS
3" x 37.1"
3" x 37.1"
3" x 37.1"
3" x 37.1"
4.7" x 37.1"

Item No.	Description
CHT **250041CBK**	Black
CHT **250041CBL**	Blue

41 IN. Bottom Chest

- 41" W x 26" D x 40" H
- Total Cu. In.: 20,066
- 6 Drawers

41 IN. BOTOM CHEST DRAWER DIMENSIONS
4.7" x 37.1"
3" x 37.1"
3" x 37.1"
3" x 37.1"
3" x 37.1"
8.6" x 37.1"

Item No.	Description
CHT **250041BBK**	Black
CHT **250041BBL**	Blue

CARLYLE® BUTCHER BLOCK OR STAINLESS STEEL WORK SURFACE

Side Cabinet

Item No.	Description
CHT **250072WT**	72" Butcher Block
CHT **250054WT**	54" Butcher Block
CHT **250041WT**	41" Butcher Block
CHT **250072ST**	72" Stainless Steel
CHT **250054ST**	54" Stainless Steel
CHT **250041ST**	41" Stainless Steel

CHT **250072ST**

CHT **250072WT**

CARLYLE TOOLS by NAPA

CHT **150072CGN**
CHT **150072BGN**

CHT **150054CGN**
CHT **150054BGN**

CHT **150041CGN**

CHT **150041BGN**

Reflex Blue **Jet Black** **Electric Green**

CARLYLE® 1500 SERIES TOOLBOXES

- The 1500 series combines the perfect blend of drawer storage capacity and quality. This series is offered in three sizes (72", 54" & 41") with coordinating top-chests and stainless or butcher-block work surfaces available. Three color choices (Reflex Blue, Jet Black and Electric Green) are sure to please all.

Boxes Available	Bottom Chest, Top Chest & Hutch
Available (W)	72", 54" & 41"
Depth	24"
Frame Gauge	16 Gauge (1.5mm)
Drawer Gauge	18 Gauge (1.2mm)
Casters	770 lbs. - 6" x 2" (2x Locking) 41"/54"/72" - 4x Casters
Lock/Key	Tubular (NAPA Logo Key)
Slides	125 lbs. per Slide
Drawer Liners	PVC (Embossed)
Lift/Lock Drawer Design	Yes (Bottom Chest & Top Chest)
Power Bank	Yes (Bottom Chest, Top Chest & Hutch)
Lift Lid	Gas Strut
Warranty	10 Years
Trim	NA

CARLYLE® 72 IN. 1500 SERIES TOOLBOXES

72 IN. Top Chest

- 71.5" W x 23.5" D x 22" H
- Total Cu. In.: 21,659
- Lift Top: 3.5" D
- 12 Drawers

72 IN. TOP CHEST DRAWER DIMENSIONS		
2.8" x 16.1"	2.8" x 31.6"	2.8" x 16.1"
2.8" x 16.1"	2.8" x 31.6"	2.8" x 16.1"
2.8" x 16.1"	2.8" x 31.6"	2.8" x 16.1"
5.5" x 16.1"	5.5" x 31.6"	5.5" x 16.1"

Item No.	Description
CHT **150072CBK**	Black
CHT **150072CBL**	Blue
CHT **150072CGN**	Green

72 IN. Bottom Chest

- 72" W x 24" D x 40" H
- Total Cu. In.: 30,103
- 14 Drawers

72 IN. BOTTOM CHEST DRAWER DIMENSIONS		
7" x 48.75"		4" x 16.1"
		2.8" x 16.1"
4" x 48.75"		2.8" x 16.1"
		2.8" x 16.1"
3" x 16.1"	2.8" x 31.6"	5.8" x 16.1"
	2.8" x 31.6"	
8.3" x 16.1"	4" x 31.6"	8.3" x 16.1"
	4" x 31.6"	

Item No.	Description
CHT **150072BBK**	Black
CHT **150072BBL**	Blue
CHT **150072BGN**	Green

CARLYLE® 54 IN. 1500 SERIES TOOLBOXES

54 IN. Top Chest

- 53.5" W x 23.5" D x 22" H
- Total Cu. In.: 16,250
- Lift Top: 3.5" D
- 8 Drawers

54 IN. TOP CHEST DRAWER DIMENSIONS	
2.8" x 16.1"	2.8" x 31.6"
2.8" x 16.1"	2.8" x 31.6"
2.8" x 16.1"	2.8" x 31.6"
5.5" x 16.1"	5.5" x 31.6"

Item No.	Description
CHT **150054CBK**	Black
CHT **150054CBL**	Blue
CHT **150054CGN**	Green

54 IN. Bottom Chest

- 54" W x 24" D x 40" H
- Total Cu. In.: 21,861
- 10 Drawers

54 IN. BOTOM CHEST DRAWER DIMENSIONS	
4.8" x 48.75"	
2.8" x 16.1"	2.8" x 31.6"
2.8" x 16.1"	2.8" x 31.6"
5.8" x 16.1"	2.8" x 31.6"
	2.8" x 31.6"
8.7" x 16.1"	8.7" x 31.6"

Item No.	Description
CHT **150054BBK**	Black
CHT **150054BBL**	Blue
CHT **150054BGN**	Green

CARLYLE® 41 IN. 1500 SERIES TOOLBOXES

41 IN. Top Chest

- 40.5" W x 23.5" D x 22" H
- Total Cu. In.: 12,560
- Lift Top: 3.5" D
- 4 Drawers

41 IN. TOP CHEST DRAWER DIMENSIONS
2.8" x 36.7"
2.8" x 36.7"
2.8" x 36.7"
5.5" x 36.7"

Item No.	Description
CHT **150041CBK**	Black
CHT **150041CBL**	Blue
CHT **150041CGN**	Green

41 IN. Bottom Chest

- 41" W x 23" D x 40" H
- Total Cu. In.: 17,628
- 7 Drawers

41 IN. BOTOM CHEST DRAWER DIMENSIONS
3.9" x 36.7"
2.8" x 36.7"
2.8" x 36.7"
2.8" x 36.7"
3.9" x 36.7"
3.9" x 36.7"
6.1" x 36.7"

Item No.	Description
CHT **150041BBK**	Black
CHT **150041BBL**	Blue
CHT **150041BGN**	Green

CARLYLE® BUTCHER BLOCK OR STAINLESS STEEL WORK SURFACE

Side Cabinet

Item No.	Description
CHT **150072WT**	72" Butcher Block
CHT **150054WT**	54" Butcher Block
CHT **150041WT**	41" Butcher Block
CHT **150072ST**	72" Stainless Steel
CHT **150054ST**	54" Stainless Steel
CHT **150041ST**	41" Stainless Steel

CHT **150072ST**

CHT **150072WT**

SHOWN: *ETR* **DX7201HCKR** Hutch
on *ETR* **DX7217RCKR** Roller Cabinet

DX SERIES 72 IN. EXTREME POWER WORKSTATION® HUTCH AND 17-DRAWER TRIPLE BANK ROLLER CABINET

DX SERIES 72 IN. EXTREME POWER WORKSTATION® HUTCH

- Hutch Dimensions: 71.94" W x 21" D x 22.25" H
- Hutch includes adjustable steel shelf with 2 USB ports and 3 outlet power strip
- Shelf designed with built-in holes/slots for holding/organizing tools
- Includes BONUS! Power Tool Rack accessory
- Full-width high gloss powder-coated steel lid handle
- Two gas struts hold lid securely open
- Powder-coated steel peg board side and back panels allow for use of hooks for hanging tools & equipment
- Akzo Nobel high gloss powder coat finish
- Secure, tubular coded lock and keys
- Assembles on ETR DX7217RC roller cabinet (sold separately)
- Net weight: 115 lbs.

DX SERIES 19 IN. 4-SHELF SIDE LOCKER

- Side Locker Dimensions: 18.75" W x 21" D x 56.50" H
- Full-length high gloss powder-coated steel door handle
- 4 adjustable powder-coated steel shelves
- Heavy duty support bracket eliminates the need for casters
- Side locker fits either side of DX roller cabinet
- Door can be attached to swing from the right or left
- Akzo Nobel high gloss powder coat finish
- Secure tubular coded lock & keys
- Assembles on *ETR* **DX7217RC** roller cabinet only
- Net Weight: 91 lbs.

DX SERIES 72 IN. 17-DRAWER TRIPLE BANK ROLLER CABINET

- Roller Cabinet Dimensions: 72" W x 21" D x 43.125" H
- Patented Quick Release self-latching drawer pulls
- Drawer capacity: 100-200* lbs.
- Ball bearing slides rated 100 lbs. per set of slides
- Extra wide & deep drawers fit a variety of tool sizes
- Full-width, high gloss powder-coated steel drawer pulls
- 14-gauge steel construction supports tool box
- Four 6" x 2" Mag Wheel casters - load rated 900 lbs. each
- Two locking swivel and two rigid casters
- Akzo Nobel high gloss powder coat finish
- Includes PVC laminated MDF work surface
- Secure, tubular coded lock and keys
- Matching side handle included
- Net Weight: 452 lbs.

Item No.	Color
Extreme Power Workstation Hutch /17-Drawer Cabinet Combo	
ETR **DX7218HR**	Add color code from chart below
Extreme Power Workstation® Hutch	
ETR **DX7201HC**	Add color code from chart below
17-Drawer Triple Bank Roller Cabinet	
ETR **DX7217RC**	Add color code from chart below
Side Locker - 4-shelf	
ETR **DX1900SL**	Add color code from chart below

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

ADD COLOR CODE to PART NUMBER
Tool Box Color / Drawer Pull Color

KU	KR	GK	MK	OK	UK
Black / Blue	Black / Red	Green / Black	Matte Black / Black	Orange / Black	Blue / Black

* Double Slides

Shown above: *ETR* **DX4110CR** Combos

DX SERIES 41 IN 4 DRAWER TOP CHEST AND 6 DRAWER ROLLER CABINET COMBO

TOP CHEST & ROLLER CABINET COMBO
- Combo dimensions: 41" W x 25" D x 64" H
- Patented Quick Release self-latching drawer pulls
- Drawer capacity: 100-200* lbs.
- Full-extension ball bearing slides rated 100 lbs. per set
- Full-width, high gloss powder-coated steel drawer pulls
- Akzo Nobel high gloss powder coat finish
- Secure tubular coded lock & keys
- PVC high density drawer liners included

TOP CHEST
- Dimensions: 41" W x 25" D x 22.25" H
- Two gas struts hold lid securely open
- Net Weight: 169 lbs.

5 YEAR LIMITED WARRANTY

ROLLER CABINET
- Dimensions: 41" W x 25" D x 41.8" H
- Four 5" x 2" casters - load rated 900 lbs. each
- Two locking swivel and two rigid casters
- Matching side handle included with roller cabinet
- 14-gauge steel construction supports tool box
- Net Weight: 281 lbs.

Item No.	Color
4-Drawer Chest / 6-Drawer Cabinet Combo	
ETR **DX4110CR**	Add color code from chart below
4-Drawer Top Chest	
ETR **DX4104CH**	Add color code from chart below
6-Drawer Roller Cabinet	
ETR **DX4106RC**	Add color code from chart below

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

ADD COLOR CODE to PART NUMBER
Tool Box Color / Drawer Pull Color

KU	KR	GK	MK	OK	UK
Black / Blue	Black / Red	Green / Black	Matte Black / Black	Orange / Black	Blue / Black

* Double Slides

TX SERIES 36 IN 5 DRAWER ROAD BOX
- Dimensions: 36" W x 25.5" D x 28.9" H
- 16 & 18-Gauge steel construction
- Patented design provides extra drawer and structural support
- Engineered to accommodate standard material handling methods/equipment
- 5 reinforced drawers with friction slides
- Drawer capacity: 150-300* lbs.
- Lid folds back to reveal additional storage
- 2 gas struts hold lid securely open
- Closed lid locks drawers in place
- Heavy duty reinforced frame with all welded seams
- Weather-resistant features & textured finish
- Tubular coded lock & keys
- PVC drawer liners included
- Limited One Year Warranty
- Net Weight: 242 lbs.

Item No.	Description	Color
36 In. 5 Drawer Road Box		
ETR **TX362505RBK**	36" 5-Drawer Road Box	Black

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

Shown left: *ETR* **RX7201HC** 72" Hutches on *ETR* **RX7219RC** 72" Roller Cabinets

RX SERIES 72 IN. EXTREME POWER WORKSTATION® HUTCHES AND ROLLER CABINETS 25 IN. & 30 IN. DEPTHS

RX SERIES 72 IN. 19-DRAWER TRIPLE BANK ROLLER CABINET

- *ETR* **RX7219RC** Dimensions: 72" W x 25" D x 47" H
- *ETR* **RX723019RC** Dimensions: 72" W x 30" D x 47" H
- Patented Quick Release self-latching drawer pulls
- Full-extension ball bearing slides
- *ETR* **RX7219RC** 72" W x 25" D drawer capacity: 150-300* lbs.
- *ETR* **RX723019RC** 72" W x 30" D drawer capacity: 250-500* lbs.
- Extra wide & deep drawers fit a variety of tool sizes
- Full-width, polished color-anodized aluminum drawer pulls
- 12-gauge steel construction supports tool box
- Six 6" x 2" casters - load rated 900 lbs. each
- Four locking swivel and two rigid casters
- Akzo Nobel high gloss powder coat finish
- Includes PVC laminated MDF work surface
- Includes PVC high-density drawer liners
- Secure, tubular coded lock and keys
- Matching side handle included
- *ETR* **RX7219RC** Net Weight: 661 lbs.
- *ETR* **RX723019RC** Net Weight: 750 lbs.

150 lbs. slides on *ETR* **RX7219RC** with colored drawer pulls as shown above - cabinets with chrome drawer pulls use 100 lbs. slides (see page 5)

RX SERIES 72 IN. EXTREME POWER WORKSTATION® HUTCH

- *ETR* **RX7201HC** Dimensions: 71.94" W x 25" D x 22.25" H
- *ETR* **RX723001HC** Dimensions: 71.94" W x 30" D x 22.25" H
- Hutch includes adjustable steel shelf with 2 USB ports and 3 outlet power strip
- Shelf designed with built-in holes/slots for holding/organizing tools
- Includes BONUS! Power Tool Rack accessory
- Full-width polished color-anodized aluminum lid handle
- Two gas struts hold lid securely open
- Powder-coated steel peg board side and back panels allow for use of hooks for hanging tools & equipment
- Akzo Nobel high gloss powder coat finish
- Secure, tubular coded lock and keys
- Assembles on *ETR* **RX7219RC** or **ETR RX723019RC** roller cabinets (sold separately)
- *ETR* **RX7201HC** Net Weight: 132 lbs.
- *ETR* **RX723001HC** Net Weight: 148 lbs.

ADD COLOR CODE to PART NUMBER
Tool Box Color / Drawer Pull Color

KU	KR	GK	MK	OK	UK
Black / Blue	Black / Red	Green / Black	Matte Black / Black	Orange / Black	Blue / Black

Item No.	Description	Color	Width	Depth	Height	Drawer Capacity
72"W x 25"D Hutch, Roller Cabinet & Combo						
ETR **RX7201HC**	72" Extreme Power Workstation Hutch	Add color code from chart below	72"	25"	22.25"	NA
ETR **RX7219RC**	72" 19 Drawer Roller Cabinet	Add color code from chart below	72"	25"	47"	150-300*
ETR **RX7220HR**	72" Hutch & Roller Cabinet Combo	Add color code from chart below	72"	25"	69.25"	150-300*
72"W x 30"D Hutch, Roller Cabinet & Hutch/Roller Cabinet Combo						
ETR **RX723001HC**	72" x 30" Extreme Power Workstation Hutch	Add color code from chart below	72"	30"	22.25"	NA
ETR **RX723019RC**	72" x 30" 19 Drawer Roller Cabinet	Add color code from chart below	72"	30"	47"	250-500*
ETR **RX723020HR**	72" x 30" Hutch & Roller Cabinet Combo	Add color code from chart below	72"	30"	69.25"	250-500*

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

* Double Slides

ETR **RX5501HC** 55" Hutches shown on *ETR* **RX5512RC** 55" Roller Cabinets

ETR **RX1903SLUC** and *ETR* **RX2403SLKR**

RX SERIES 55 IN. EXTREME POWER WORKSTATION® HUTCHES & ROLLER CABINETS

RX SERIES 55 IN. 12-DRAWER ROLLER CABINET

- *ETR* **RX5512RC** Dimensions: 54.6" W x 25" D x 47" H
- Patented Quick Release self-latching drawer pulls
- Full-extension ball bearing slides rated 150 lbs.
- Drawer capacity: 150-300* lbs.
- Full-width, polished color-anodized aluminum drawer pulls
- 14-gauge steel construction supports tool box
- Six 6" x 2" casters - load rated 900 lbs. each
- Four locking swivel and two rigid casters
- Akzo Nobel high gloss powder coat finish
- Includes PVC laminated MDF work surface
- Includes PVC high-density drawer liners
- Secure, tubular coded lock and keys
- Matching side handle included
- Net Weight: 424 lbs.

5 YEAR LIMITED WARRANTY

RX SERIES 55 IN. EXTREME POWER WORKSTATION® HUTCH

- *ETR* **RX5501HC** Dimensions: 54.6" W x 25" D x 22.25" H
- Adjustable steel shelf with 2 USB ports/3 outlet power strip
- Shelf designed with built-in holes/slots for holding/organizing tools
- Includes BONUS! Power Tool Rack accessory
- Full-width polished color-anodized aluminum lid handle
- Two gas struts hold lid securely open
- Powder-coated steel peg board side and back panels
- Akzo Nobel high gloss powder coat finish
- Secure, tubular coded lock and keys
- Assembles on *ETR* **RX5512RC** roller cabinets (sold separately)
- Net Weight: 102 lbs.

RX SERIES 19 IN. AND 24 IN. 3-DRAWER AND 3-SHELF SIDE LOCKERS

- *ETR* **RX1903SL** Dimensions: 19" W x 25" D x 61" H (fits 55" W and 72" W x 25" D models ONLY)
- Ball bearing slides load rated 100-200* lbs. per drawer

- *ETR* **RX2403SL** Dimensions: 24" W x 30" D x 61" H (fits 30"D model)
- Ball bearing slides load rated 150-300* lbs. per drawer

5 YEAR LIMITED WARRANTY

Features for both side lockers:

- 3 Full-extension drawers, 2 adjustable & 1 fixed shelves
- Heavy duty support bracket eliminates need for caster support
- Full-width, polished color-anodized aluminum drawer pulls/handle
- Includes PVC drawer liners
- Fits either side of the roller cabinet
- Door swing can open right or left

ADD COLOR CODE to PART NUMBER
Tool Box Color / Drawer Pull Color

KU	KR	GK	MK	OK	UK
Black / Blue	Black / Red	Green / Black	Matte Black / Black	Orange / Black	Blue / Black

Item No.	Description	Color	Width	Depth	Height	Drawer Capacity
55" W x 25" D Hutch, Roller Cabinet & Combo						
ETR **RX5501HC**	55" Extreme Power Workstation Hutch	Add color code from chart below	54.625"	25"	22.25"	NA
ETR **RX5512RC**	55" 12 Drawer Roller Cabinet	Add color code from chart below	54.625"	25"	47"	150-300*
ETR **RX5513HR**	55" Hutch & Roller Cabinet Combo	Add color code from chart below	54.625"	25"	69.25"	150-300*
19" W x 25" D 3-Drawer / 3-Shelf Side Locker						
ETR **RX2403SL**	24" 3 Drawer / 3 Shelf Side Locker	Add color code from chart below	24"	30"	61"	150-300*
ETR **RX1903SL**	19" 3 Drawer / 3 Shelf Side Locker	Add color code from chart below	19"	25"	61"	100-200*
ETR **RX1903SLKC**	19" 3 Drawer / 3 Shelf Side Locker	Black with Chrome Handles	19"	25"	61"	100-200*
ETR **RX1903SLUC**	19" 3 Drawer / 3 Shelf Side Locker	Blue with Chrome Handles	19"	25"	61"	100-200*

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

* Double Slides

TOOL STORAGE

Tool Chests & Cabinets

ETR **RX5510CHUC** 55" Top Chest
ETR **RX5511RCUC** 55" Roller Cabinet

ETR **RX4108CHKC** 41" Top Chest
ETR **RX4111RCKC** 41" Roller Cabinet

ETR **RX7201HCKC** 72" Hutch *ETR* **RX7219RCKC** 72" Roller Cabinet with *ETR* **RX1903SLKC** Side Locker

ORIGINAL RX SERIES 72 IN., 55 IN. & 41 IN. ROLLER CABINETS, TOP CHESTS AND EXTREME POWER WORKSTATION® HUTCHES

RX SERIES 72 IN. 19-DRAWER TRIPLE BANK, 55 IN. 12-DRAWER OR 41 IN. 11-DRAWER ROLLER CABINETS

- *ETR* **RX7219RC** Dimensions: 72" W x 25" D x 47" H 12-gauge steel construction
- *ETR* **RX5512RC** Dimensions: 54.6" W x 25" D x 46" H 14-gauge steel construction
- *ETR* **RX4111RC** Dimensions: 41" W x 25" D x 42.38" H 14-gauge steel construction
- Patented Quick Release self-latching drawer pulls
- Full-extension ball bearing slides rated 100 lbs.
- Drawer capacity: 100-200* lbs.
- Full-width, polished anodized aluminum drawer pulls
- Akzo Nobel high gloss powder coat finish
- Heavy duty casters load rated 900 lbs. each
- Includes PVC laminated MDF work surface
- Includes PVC high-density drawer liners
- Secure, tubular coded lock and keys
- Matching side handle included
- *ETR* **RX7219RC** Net Weight: 636 lbs.
- *ETR* **RX5512RC** Net Weight: 409 lbs.
- *ETR* **RX4111RC** Net Weight: 326 lbs.

100 lbs. slides on *ETR* **RX7219RC** with chrome drawer pulls as shown above - cabinets with colored drawer pulls use 150 lbs. slides (see page 3)

RX SERIES 72 IN. 12-DRAWER, 55 IN. 8-DRAWER OR 41 IN. 8-DRAWER TOP CHESTS

- *ETR* **RX7212CH** Dimensions: 71.94" W x 25" D x 22.25" H
- *ETR* **RX5508CH** Dimensions: 54.6" W x 25" D x 22.25" H
- *ETR* **RX4108CH** Dimensions: 41" W x 25" D x 22.25" H
- Patented Quick Release self-latching drawer pulls
- Drawers use full-extension ball bearing slides rated 100-200* lbs./drw
- Full-width, polished anodized aluminum drawer pulls
- Akzo Nobel high gloss powder coat finish
- Two gas struts hold lid securely open
- Secure, tubular coded lock and keys
- Includes PVC high-density drawer liners
- *ETR* **RX7212CH** Net Weight: 348 lbs.
- *ETR* **RX5508CH** Net Weight: 243lbs.
- *ETR* **RX4108CH** Net Weight: 196lbs.

RX SERIES 72 IN. OR 55 IN. EXTREME POWER WORKSTATION® HUTCHES

- *ETR* **RX7201HC** Dimensions: 71.94" W x 25" D x 22.25" H
- *ETR* **RX5501HC** Dimensions: 54.6" W x 25" D x 22.25" H
- Adjustable steel shelf with 2 USB ports and 3 outlet power strip
- Includes BONUS! Power Tool Rack accessory
- Full-width polished anodized aluminum lid handle
- Two gas struts hold lid securely open
- Powder-coated steel peg board side and back panels
- Secure, tubular coded lock and keys
- Assembles on *ETR* **RX7219RC** or *ETR* **RX5512RC** cabinets (sold separately)
- *ETR* **RX7201HC** Net Weight: 132 lbs.
- *ETR* **RX5501HC** Net Weight: 102lbs.

Item No.	Description	Color	Width	Depth	Height	Drawer Capacity
72" W x 25" D Hutch, 12-Drawer Top Chest, 19-Drawer Roller Cabinet						
ETR **RX7201HC**	72" Extreme Power Workstation Hutch	KC=black/chrome or UC=blue/chrome	72"	25"	22.25"	NA
ETR **RX7212CH**	72" 12 Drawer Top Chest	KC=black/chrome or UC=blue/chrome	72"	25"	22.25"	100-200*
ETR **RX7219RC**	72" 19 Drawer Roller Cabinet	KC=black/chrome or UC=blue/chrome	72"	25"	47"	100-200*
55" W x 25" D Hutch, 8-Drawer Top Chest, 12-Drawer Roller Cabinet						
ETR **RX5501HC**	55" Extreme Power Workstation Hutch	KC=black/chrome or UC=blue/chrome	54.625"	25"	22.25"	NA
ETR **RX5508CH**	55" 8 Drawer Top Chest	KC=black/chrome or UC=blue/chrome	54.625"	25"	22.25"	100-200*
ETR **RX5512RC**	55" 12 Drawer Roller Cabinet	KC=black/chrome or UC=blue/chrome	54.625"	25"	47"	100-200*
41" W x 25" D 8-Drawer Top Chest, 11-Drawer Roller Cabinet						
ETR **RX4108CH**	41" 8 Drawer Top Chest	KC=black/chrome or UC=blue/chrome	41"	25"	21.4"	100-200*
ETR **RX4111RC**	41" 11 Drawer Roller Cabinet	KC=black/chrome or UC=blue/chrome	41"	25"	40.5"	100-200*

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

* Double Slides

Shown Above: *ETR* **EX7201HCQ** 72" Hutches on *ETR* **EX7217RCQ** 72" Roller Cabinets

Shown Above:
ETR **EX7201HCQGK** 72" Hutch on
ETR **EX7217RCQGK** 72" Roller Cabinet with
ETR **EX2404SCQGK** 24" Side Locker

EXQ PRO SERIES 72 IN. EXTREME POWER WORKSTATION® HUTCHES, ROLLER CABINETS & 24 IN. SIDE LOCKERS

EXQ PROFESSIONAL 72 IN. 17-DRAWER TRIPLE BANK ROLLER CABINET

- Dimensions: 72" W x 31.125" D x 46.6" H
- Quick Release professional self-latching drawer pulls
- Drawer capacity 300-600* lbs. ea.
- Full-extension ball bearing slides
- 6" x 2" Mag Wheel casters load rated 900 lbs. ea. (4 locking swivel & 2 rigid)
- Full-width, color-anodized polished aluminum drawer pulls
- All items fully-assembled with welded seams
- Cabinet has full 30" depth
- Industrial strength 11-gauge steel frame construction
- Patented features including double steel wall drawer fronts
- Includes 304-grade stainless steel work surface
- AkzoNobel high gloss powder coat finish
- Locking security drawer keeps valuables safe
- Secure tubular coded lock and keys
- Optional spring-loaded casters load rated 1,200 lbs. ea
- Net Weight: 1,169 lbs.

EXQ PROFESSIONAL 72 IN. EXTREME POWER WORKSTATION® HUTCH

- Dimensions: 72" W x 30" D x 26.25" H
- Adjustable stainless steel shelf with 6-outlet power strip
- Fully assembled including hutch door - all welded seams
- Built-in 304 grade stainless steel work surface
- Lockable hutch door uses heavy duty roller bearing slides
- Full-width door handle is polished, color-anodized aluminum
- Powder coated steel peg board side walls for hanging tools
- Net Weight: 360 lbs.

EXQ / EX PROFESSIONAL 24 IN. 4-DRAWER & 3-SHELF SIDE LOCKER

- Dimensions: 24" W x 30" D x 63.5" H
- 4 drawers with full-extension slides
- 1 fixed & 2 adjustable shelves
- Drawers & adjustable shelves use full-extension slides
- Drawer/shelf capacity: 300 lbs. ea.
- Cabinet door can be rotated to swing right or left
- Sturdy, steel support bracket eliminates need for casters
- Tubular coded lock & keys
- PVC drawer/shelf liners included
- Net Weight: 362 lbs.

ADD COLOR CODE to PART NUMBER
Tool Box Color / Drawer Pull Color

KU	KR	GK	KC	UC	UK
Black / Blue	Black / Red	Green / Black	Black / Chrome	Blue / Chrome	Blue / Black

EXQ / EX OPTIONAL PROFESSIONAL SPRING-LOADED CASTERS

Load rated 1,200 lbs. per shock absorbing caster

- *ETR* **PROCASTER6** Set of 6 Casters
  4 Locking Swivel & 2 Rigid
- *ETR* **PROCASTER4** Set of 4 Casters
  2 Locking Swivel & 2 Rigid

Item No.	Description	Color	Width	Depth	Height	Drawer Capacity
ETR **EX7201HCQ**	72" Extreme Power Workstation Hutch	Add color code from chart below	72"	30"	26.25"	NA
ETR **EX7217RCQ**	72" 17 Drawer Roller Cabinet	Add color code from chart below	72"	30"	46.75"	300-600*
ETR **EX2404SCQ**	24" 4 Drawer / 3 Shelf Side Locker	Add color code from chart below	24"	30"	61"	300-600*

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

* Double Slides

Shown Above:
ETR **EX7201HCKC** 72" Hutch on *ETR* **EX7217RCKC** 72" Roller Cabinet with
(2) *ETR* **EX2404SCKC** 24" Side Lockers with Optional Procaster6 Upgraded Casters

Shown Above:
ETR **EX5510CHUC** 55" Top Chest on
ETR **EX5511RCUC** 55" Roller Cabinet

EX PRO SERIES 72 IN. AND 55 IN. EXTREME POWER WORKSTATION® HUTCHES, TOP CHESTS ROLLER CABINETS & 24 IN. SIDE LOCKERS

EX PROFESSIONAL 72 IN. 17-DRAWER TRIPLE BANK & 55 IN. 11-DRAWER ROLLER CABINETS

- *ETR* **EX7217RC** Dimensions: 72" W x 31.125" D x 46.6" H
- *ETR* **EX5511RC** Dimensions: 55" W x 30" D x 46.6" H
- Full-extension drawers provide convenient access to whole drawer
- Drawer capacity 300-600* lbs. ea.
- Full-extension ball bearing slides
- 6" x 2" casters load rated 900 lbs. ea.
- Full-width, anodized polished aluminum drawer pulls
- All items fully-assembled with welded seams
- Cabinet has full 30" depth
- Industrial strength 11-gauge steel frame construction
- Patented features including double steel wall drawer fronts
- Includes 304-grade stainless steel work surface
- AkzoNobel high gloss powder coat finish
- Locking security drawer keeps valuables safe
- Secure tubular coded lock and keys
- Optional spring-loaded casters load rated 1,200 lbs. ea
- Heavy duty PVC drawer liners included
- Professional upgraded side handle included
- Extra support under drawers prevents warping or sagging
- *ETR* **EX7217RC** Net Weight: 1,169 lbs.
- *ETR* **EX5511RC** Net Weight: 852 lbs.

EX PROFESSIONAL 72 IN. 15-DRAWER & 55 IN. 10-DRAWER TOP CHESTS

- *ETR* **EX7215CH** Dimensions: 72" W x 30" D x 26.4" H
- *ETR* **EX5510CH** Dimensions: 55" W x 30" D x 26.4" H
- Drawers use full-extension ball bearing slides
- Drawer capacity: 300-600* lbs. per drawer
- Full-width, extruded, polished, anodized aluminum drawer pulls and lid handle
- Two gas struts hold lid securely in place
- Huge open till are under lid
- *ETR* **EX7215CH** Net Weight: 708 lbs.
- *ETR* **EX5510CH** Net Weight: 469 lbs.

EX PROFESSIONAL 72 IN. & 55 IN. EXTREME POWER WORKSTATION® HUTCHES

- *ETR* **EX7201HC** Dimensions: 72" W x 30" D x 26.4" H
- *ETR* **EX5501HC** Dimensions: 55" W x 30" D x 26.4" H
- Adjustable stainless steel shelf with 6-outlet power strip
- Fully assembled including hutch door - all welded seams
- Built-in 304 grade stainless steel work surface
- Lockable hutch door uses heavy duty roller bearing slides
- Full-width door handle is polished, anodized aluminum
- Powder coated steel peg board side walls for hanging tools
- *ETR* **EX7201HC** Net Weight: 360 lbs.
- *ETR* **EX5501HC** Net Weight: 286 lbs.

Item No.	Description	Color	Width	Depth	Height	Drawer Capacity
EX Professional 72" Extreme Power Workstation® Hutch, 15-Drawer Top Chest, 17-Drawer Triple Bank Roller Cabinet						
ETR **EX7201HC**	72" Extreme Power Workstation® Hutch	KC=black/chrome or UC=blue/chrome	72"	30"	26.4"	NA
ETR **EX7215CH**	72" 15 Drawer Top Chest	KC=black/chrome or UC=blue/chrome	72"	30"	26.4"	300-600*
ETR **EX7217RC**	72" 17 Drawer Roller Cabinet	KC=black/chrome or UC=blue/chrome	72"	30"	46.75"	300-600*
EX Professional 55" Extreme Power Workstation® Hutch, 10-Drawer Top Chest, 11-Drawer Roller Cabinet						
ETR **EX5501HC**	55" Extreme Power Workstation® Hutch	KC=black/chrome or UC=blue/chrome	55"	30"	26.4"	NA
ETR **EX5510CH**	55" 10 Drawer Top Chest	KC=black/chrome or UC=blue/chrome	55"	30"	26.4"	300-600*
ETR **EX5511RC**	55" 11 Drawer Roller Cabinet	KC=black/chrome or UC=blue/chrome	55"	30"	46.75"	300-600*
EX Professional 24" 4-Drawer and 3-Shelf Side Locker						
ETR **EX2404SC**	24" 4 Drawer / 3 Shelf Side Locker	KC=black/chrome or UC=blue/chrome	24"	30"	61"	300-600*

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* Double Slides

ETR **EX4106TCKU**

ETR **EX4106TCSGK**

EX SERIES PROFESSIONAL 41 IN. & 33 IN. TOOL CARTS

TOOL CART FEATURES 41 IN. & 33 IN. MODELS:

- Patented Quick Release self-latching drawer pulls
- Full-width, polished color-anodized aluminum drawer pulls
- Drawer capacity: 100-200* lbs.
- Full-extension ball bearing slides load rated 100 lbs. per set
- Four 6" x 2" Mag Wheel casters load rated 900 lbs. each
- Built-in 8-section powder-coated steel parts tray with movable dividers
- BONUS! Power Tool Rack accessory included
- Tough, impact-resistant, non-marking corner bumpers
- Pry bar / tool holders and hangers on both sides of cart
- Includes PVC high-density drawer liners
- Matching side handle included
- Akzo Nobel high gloss powder coat finish
- Secure tubular coded lock and keys
- Limited 5 Year Warranty

5 YEAR LIMITED WARRANTY

ADD COLOR CODE to EX4106TC
Tool Box Color / Drawer Pull Color

KU	KR	GK	MK	OK	UK	RK
Black / Blue	Black / Red	Green / Black	Matte Black / Black	Orange / Black	Blue / Black	Red / Black

ADD COLOR CODE to EX3304TC & EX4106TCS
Tool Box Color / Drawer Pull Color

GK	MK	UK	RK
Green / Black	Matte Black / Black	Blue / Black	Red / Black

EX SERIES 41 IN. 6-DRAWER TOOL CART

- *ETR* **EX4106TC** Dimensions: 41.75" W x 25.75" D x 43" H
- Easy access to tools in top section by opening lid or top drawer
- Top drawer storage remains accessible if lid is closed
- Heavy duty 12-gauge steel frame construction
- PVC laminated MDF work surface protects top of lid
- 2 Heavy duty gas struts hold up lid
- Net Weight: 302 lbs

EX SERIES 41 IN. 6-DRAWER SLIDING TOP TOOL CART

- *ETR* **EX4106TCS** Dimensions: 41.75" W x 25.75 "D x 43.875" H
- Professional 304 grade, 19-gauge stainless steel sliding top
- Full-extension 100 lbs. slides open and close sliding top
- Heavy duty 12-gauge steel frame construction
- Easy access to tools in top section by opening lid or top drawer
- Top drawer storage remains accessible if lid is closed
- Net Weight: 314 lbs.

EX SERIES 33 IN. 4-DRAWER TOOL CART

- *ETR* **EX3304TC** Assembled Dimensions: 33" W x 22.875" D x 44.25" H
- Easy access to tools in top section by opening lid or top drawer
- Top drawer storage remains accessible if lid is closed
- PVC laminated MDF work surface protects top of lid
- 2 Heavy duty gas struts hold up lid
- Net Weight: 182 lbs.

Item No.	Description	Color	Width	Depth	Height
41" W 6-Drawer Tool Cart					
ETR **EX4106TC**	41" 6-Drawer Tool Cart	Add color code from chart below	41.75"	25.75"	43"
41" W 6-Drawer Sliding Top Tool Cart					
ETR **EX4106TCS**	41" 6-Drawer Sliding Top Cart	Add color code from chart below	41.75"	25.75"	43.875"
33"W 4-Drawer Tool Cart					
ETR **EX3304TC**	33" 4-Drawer Sliding Top Cart	Add color code from chart below	33"	22.875"	44.25"

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* Double Slides

Subhead

CRAFTSMAN

2000 SERIES 26 IN. WIDE 5 DRAWER TOOL CHEST

- EXPANSIVE STOWING SPACE: 5,840 cubic inches of storage MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- HIGH-STABILITY DRAWER SLIDES support 100 lbs. of tools, pieces, and attachments SAFEGUARD YOUR TOOLS with over-mold key and internal locking system
- BUILT TO LAST: 18-20 Ga. steel double wall construction

CTM **CMST98263RB**

CTM **CMST98263RB**

CTM **CMST98264RB**

2000 SERIES 26 IN. WIDE 5 DRAWER ROLLING TOOL CABINET

- HIGH DURABILITY AND STRENGTH: 650 lb. load rating with 4-1/2 in. x 1-1/2 in. casters and reinforced mounting casters HIGH-STABILITY DRAWER SLIDES support 100 lbs. of tools, pieces, and attachments
- BUILT TO LAST: Heavy-duty steel construction EXPANSIVE STOWING SPACE: 8,082 cubic inches of storage SAFEGUARD YOUR TOOLS with over-mold key and internal locking system

CTM **CMST98264RB**

CRAFTSMAN

2000 SERIES 26 IN. WIDE 4 DRAWER TOOL CHEST

- MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- HIGH-STABILITY DRAWER SLIDES support 100 lbs. of tools, pieces, and attachments
- INTEGRATED CONVENIENCE: Recharge batteries and electronics with a 6-outlet, dual USB input power strip
- CUSTOMIZE YOUR STORAGE SPACE: Peg board holes along the back wall for customization
- BUILT TO LAST: 18-20 Ga. steel I-Frame® construction and top bumpers

CTM **CMST98267RB**

CTM **CMST98267RB**

CTM **CMST98268RB**

2000 SERIES 27 IN. WIDE 5 DRAWER ROLLING TOOL CABINET

- MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- HIGH DURABILITY AND STRENGTH: 1,500 lb. load rating with 5 in. x 2 in. casters with toe-locking brakes and reinforced mounting casters
- EMBOSSED TOP MAT FOR SURFACE PROTECTION with drawer liners under the lid and in every drawer EXPANSIVE STOWING SPACE: 9,266 cubic inches of storage SAFEGUARD YOUR TOOLS with over-mold key and internal locking system
- BUILT TO LAST: 18-20 Ga. steel I-Frame® construction and top bumpers
- PROFESSIONAL-GRADE MOBILITY: Full-grip, tubular side handle

CTM **CMST98268RB**

CRAFTSMAN

2000 SERIES 41 IN. WIDE 6 DRAWER TOOL CHEST

- MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- BUILT TO LAST: 18-20 Ga. steel I-Frame® construction and top bumpers
- INTEGRATED CONVENIENCE: Recharge batteries and electronics with a 6-outlet, dual USB input power strip
- EXPANSIVE STOWING SPACE: 10,992 cubic inches of storage
- CUSTOMIZE YOUR STORAGE SPACE: Peg board holes along the back wall for customization

CTM **CMST98269RB**

CTM **CMST98269RB**

CTM **CMST98270RB**

2000 SERIES 41-IN. WIDE 10 DRAWER ROLLING TOOL CABINET

- MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- EMBOSSED TOP MAT FOR SURFACE PROTECTION with drawer liners under the lid and in every drawer EXPANSIVE STOWING SPACE: 14,014 cubic inches of storage SAFEGUARD YOUR TOOLS with over-mold key and internal locking system
- HIGH DURABILITY AND STRENGTH: 1,500 lb. load rating with 5 in. x 2 in. casters with toe-locking brakes and reinforced mounting casters
- BUILT TO LAST: 18-20 Ga. steel I-Frame® construction and top bumpers
- HIGH-STABILITY DRAWER SLIDES support 100 lbs. of tools, pieces, and attachments

CTM **CMST98270RB**

CRAFTSMAN

2000 SERIES 52 IN. WIDE 8 DRAWER TOOL CHEST

- MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- BUILT TO LAST: 18-20 Ga. steel I-Frame® construction and top bumpers
- HIGH-STABILITY DRAWER SLIDES support 100 lbs. of tools, pieces, and attachments
- INTEGRATED CONVENIENCE: Recharge batteries and electronics with a 6-outlet, dual USB input power strip
- CUSTOMIZE YOUR STORAGE SPACE: Peg board holes along the back wall for customization

CTM **CMST98272RB**

CTM **CMST98272RB**

CTM **CMST9273RB**

2000 SERIES 52-IN. WIDE 10 DRAWER ROLLING TOOL CABINET

- MADE IN THE USA WITH GLOBAL MATERIALS: Forged in Sedalia, Missouri
- EMBOSSED TOP MAT FOR SURFACE PROTECTION with drawer liners under the lid and in every drawer EXPANSIVE STOWING SPACE: 18,532 cubic inches of storage SAFEGUARD YOUR TOOLS with over-mold key and internal locking system
- HIGH DURABILITY AND STRENGTH: 1,500 lb. load rating with 5 in. x 2 in. casters with toe-locking brakes and reinforced mounting casters
- HIGH-STABILITY DRAWER SLIDES support 100 lbs. of tools, pieces, and attachments
- BUILT TO LAST: 18-20 Ga. steel I-Frame® construction and top bumpers

CTM **CMST9273RB**

CRAFTSMAN

3000 SERIES 63 IN. WIDE 8 DRAWER MOBILE WORKBENCH

- Made in the USA
- 10 year limited warranty
- 18 gauge extra deep I-Frame® construction
- 8-drawer, soft close latching: 120 lb. ball-bearing drawers (200 lbs. on full-width drawer and 10-in. deep drawers) with soft close latching will not slam closed
- Easy moving: recessed full-grip side handles on both sides help push storage around your shop
- Powder-coat paint
- Safeguard your tools: keyed internal locking system
- Non-slip liner: Craftsman® embossed non-slip drawer liners help hold tools in place
- Lock and swivel: six 6 x 2 inch casters support up to 3,000 lbs.: Four swivel and two lock
- Stain-resistant seal: solid wood work surface is removable
- Added convenience: includes pegboard areas to help organize your tools
- Integrated power strip with 6 outlets & 2 USB ports can charge power tools and electronics

CTM **CMST26380RB**

CRAFTSMAN

2000 SERIES 41 IN. WIDE 6 DRAWER MOBILE WORKBENCH

- Made in the USA
- 10 year limited warranty
- 18 - 20 ga. Steel I-Frame® construction
- 6-drawer, ball bearing, full extension drawer slides: support 100 lbs. of product
- Powder-coat paint
- Safeguard your tools: keyed internal locking system
- Assembled Dimensions (WxDxH) 41 x 18 x 34 in.
- 12,681 Cubic inches of storage
- Loading rating: 1,500 lb. Load rating with 5 in. x 2 in. Casters
- Surface protection: solid wood work

CTM **CMST24160RB**

CRAFTSMAN

NON-SLIP DRAWER LINER ROLL

- Drawer Liner Roll is a non-slip material that keeps tools in place and organized
- Protects tools and storage against scratching and marring while provides a thick protective cushion for tools
- Cut to fit tool chests, rolling cabinets, garage organization and other storage

CTM **CMST82692**

INDEX

Subhead

Homak AVAILABLE IN BK BL RD

HXL PRO

30" DEEP
265/530 LBS DRAWER CAPACITIES

CONSTRUCTED FROM 16 GAUGE STEEL
LIFT LATCH DRAWER PULLS

SPRING LOADED CASTERS 1300LBS

GLOBALLY KNOWN & PROFESSIONALLY TRUSTED Since 1947

Homak Exclusive LIFETIME WARRANTY Built to Last

TSS **HX080150613**

TSS **HX02072003**
TSS **HX04072173**

TSS **HX080240013**

TSS **HX02060102**
TSS **HX04060112**

TSS **HX02072151**
TSS **HX04072171**

TSS **HX04072172**

TSS **HX02072003**
TSS **HX04060113**

TSS **HX04060111**

Item No.	Description	Color	Width	Depth	Height	Net Weight
60" HXL Pro 9 Drawer Top Chest						
TSS **HX0206010(1, 2, 3)**	16 ga. reinforced steel, 17,765 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	60"	30"	26¼"	479 lbs
60" HXL Pro Hutch						
TSS **HX0207200(1, 2, 3)**	16 ga. reinforced steel, 39,810 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	60"	30"	24¾"	204 lbs
60" HXL Pro 10 Drawer Roller Cabinet						
TSS **HX0406011(1, 2, 3)**	16 ga. reinforced steel, Stainless steel top, 38,580 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	60"	30"	45½"	793 lbs
72" HXL Pro 13 Drawer Top Chest						
TSS **HX0207215(1, 2, 3)**	16 ga. reinforced steel, 28,547 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	72"	30"	26¼"	603 lbs
72" HXL Pro Hutch						
TSS **HX0207200(1, 2, 3)**	16 ga. reinforced steel, 47,772 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	72"	30"	24¾"	230 lbs
72" HXL Pro 18 Drawer Roller Cabinet						
TSS **HX0407217(1, 2, 3)**	16 ga. reinforced steel, Stainless steel top, 17,765 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	72"	30"	45½"	1005 lbs
24" HXL Pro 4 Drawer Side Locker						
TSS **HX0802400(1, 2, 3)**	16 ga. reinforced steel, Two 6" x 2" casters, 24,136 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	24"	30"	63½"	359 lbs
15" HXL Pro 6 Drawer Side Cabinet						
TSS **HX0801506(1, 2, 3)**	16 ga. reinforced steel, Two 6" x 2" casters, 7,997 cu. in.	Black(**1**), Blue(**2**), Red(**3**)	15¼"	30"	27¼"	264 lbs

⚠ **WARNING: California Prop 65 - Warning: This product may contain, lead, chromium, nickel or other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. - For More Information: www.P65Warnings.ca.gov**

Homak AVAILABLE IN BK BL RD LG OG

RS PRO

24" DEEP CONSTRUCTED FROM 16 GAUGE STEEL

100/200 LBS DRAWER CAPACITIES

LIFT LATCH DRAWER PULLS

CASTERS CAPACITY 660LBS

GLOBALLY KNOWN & PROFESSIONALLY TRUSTED Since 1947

Homak Exclusive LIFETIME WARRANTY Built to Last

TSS **OG02072120**
TSS **OG04072160**

TSS **RD04054010**

TSS **LG07072280**
TSS **LG02072120**

TSS **BL02065800**
TSS **BL04054010**
TSS **BL08021050**

(Black-**BK**/Blue-**BL**/Red-**RD**/Green-**LG**/Orange-**OG)**

Item No.	Description	Width	Depth	Height	Net Weight
27" RS Pro 4 Drawer Top Chest					
TSS **(BK/BL/RD/LG/OG)02027401**	16 ga. Steel, 3 Outlets, Aluminum drawer pulls	26 1/2"	23 1/2"	21 3/8"	132 lbs
27" RS Pro 7 Drawer Roller Cabinet					
TSS **(BK/BL/RD/LG/OG)04027770**	16 ga. Steel, (4) 5" x 2" Casters, Aluminum drawer pulls	27"	24"	39"	197 lbs
36" RS Pro 4 Drawer Top Chest					
TSS **(BK/BL/RD/LG/OG)02036040**	16 ga. Steel, 3 Outlets, Aluminum drawer pulls	35 3/8"	27 3/8"	21 3/8"	162 lbs
36" RS Pro 7 Drawer Roller Cabinet					
TSS **(BK/BL/RD/LG/OG)04036070**	16 ga. Steel, (4) 5" x 2" Casters 2/moveable/2fixed, Aluminum drawer pulls	36"	24"	39"	237 lbs
41" RS Pro 7 Drawer Top Chest					
TSS **(BK/BL/RD/LG/OG)02004173**	16 ga. Steel, 3 Outlets, Aluminum drawer pulls	40 5/8"	23 1/2"	21 3/8"	209 lbs
41" RS Pro 1 Drawer Hutch					
TSS **(BK/BL/RD/LG/OG)02041010**	16 ga. Steel	40 3/4"	23 1/2"	21 3/8"	145 lbs
41" RS Pro 9 Drawer Roller Cabinet					
TSS **(BK/BL/RD/LG/OG)04004193**	16 ga. Steel, (4) 5" x 2" Casters 2/moveable/2fixed, Aluminum drawer pulls	41"	24"	39"	289 lbs
54" RS Pro 8 Drawer Top Chest					
TSS **(BK/BL/RD/LG/OG)02065800**	16 ga. Steel, 3 Outlets, Aluminum drawer pulls	40 7/8"	23 1/2"	21 3/8"	257 lbs
54" RS Pro 1 Drawer Hutch					
TSS **(BK/BL/RD/LG/OG)02054010**	16 ga. Steel,	54"	23 1/2"	24 3/8"	180 lbs
54" RS Pro 10 Drawer Roller Cabinet					
TSS **(BK/BL/RD/LG/OG)04054010**	16 ga. Steel, (4) 6" x 2" Casters 2/moveable/2fixed, Aluminum drawer pulls	54 1/2"	24"	39"	370 lbs
54" RS Pro 10 Drawer Roller w/SST					
TSS **(BK/BL/RD/LG/OG)04056014**	16 ga. Steel, (4) 6" x 2" Casters 2/moveable/2fixed, Aluminum drawer pulls	54 1/2"	24"	39"	426 lbs
72" RS Pro 12 Drawer Top Chest					
TSS **(BK/BL/RD/LG/OG)02072120**	16 ga. Steel,	71 1/2"	23 1/2"	21 3/8"	356 lbs
72" RS Pro 1 Drawer Hutch					
TSS **(BK/BL/RD/LG/OG)02072010**	16 ga. Steel,	71 1/2"	23 1/2"	24 3/8"	254 lbs
72" RS Pro 16 Drawer Roller Cabinet					
TSS **(BK/BL/RD/LG/OG)04072160**	16 ga. Steel,	72"	24"	39"	508 lbs
72" RS Pro 16 Drawer Roller w/SST					
TSS **(BK/BL/RD/LG/OG)04072164**	16 ga. Steel,	72"	24"	39"	582 lbs
22" RS Pro 5 Drawer Side Locker					
TSS **(BK/BL/RD/LG/OG)08021050**	16 ga. Steel, (2) 6" x 2" Casters	22"	24"	53 5/8"	205 lbs
14.5" RS Pro 7 Drawer Side Cabinet					
TSS **(BK/BL/RD/LG/OG)08014070**	16 ga. Steel, (2) 6" x 2" Casters, Stainless steel top	14 1/2"	24"	32 7/8"	147 lbs
22" RS Pro 7 Drawer Side Cabinet					
TSS **(BK/BL/RD/LG/OG)08022070**	16 ga. Steel, (2) 6" x 2" Casters, Stainless steel top	22"	24"	37 7/8"	180 lbs

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Subhead

Homak AVAILABLE IN BK BL RD

CTS CENTRALIZED TOOL STORAGE

24" DEEP

100/200 LBS DRAWER CAPACITIES

CONSTRUCTED FROM 16 GAUGE STEEL

LIFT LATCH DRAWER PULLS

LEG CAPACITY 660LBS

GLOBALLY KNOWN & PROFESSIONALLY TRUSTED Since 1947

Homak Exclusive LIFETIME WARRANTY Built to Last

TSS **BLCTS72002** *TSS* **BLCTS24001**

TSS **RDCTS36002**

TSS **BLCTS41001**

TSS **BKCTS54002**

TSS **RDCTS72001**

Item No.	Description	Color	Width	Depth	Height	Net Weight
36" CTS 7 Drawer Set						
TSS **(BK, BL, RD)CTS36001**	Solid back	Black(**BK**), Blue(**BL**), Red(**RD**)	36"	24"	79½"	382 lbs
TSS **(BK, BL, RD)CTS36002**	Toolboard back	Black(**BK**), Blue(**BL**), Red(**RD**)	36"	24"	79½"	382 lbs
41" CTS 9 Drawer Set						
TSS **(BK, BL, RD)CTS41001**	Solid Back	Black(**BK**), Blue(**BL**), Red(**RD**)	41"	24"	79½"	461 lbs
TSS **(BK, BL, RD)CTS41002**	Toolboard back	Black(**BK**), Blue(**BL**), Red(**RD**)	41"	24"	79½"	461 lbs
54" CTS 10 Drawer Set						
TSS **(BK, BL, RD)CTS54001**	Solid Back	Black(**BK**), Blue(**BL**), Red(**RD**)	54"	24"	79½"	597 lbs
TSS **(BK, BL, RD)CTS54002**	Toolboard back	Black(**BK**), Blue(**BL**), Red(**RD**)	54"	24"	79½"	597 lbs
72" CTS 16 Drawer Set						
TSS **(BK, BL, RD)CTS72001**	Solid Back	Black(**BK**), Blue(**BL**), Red(**RD**)	72"	24"	79½"	778 lbs
TSS **(BK, BL, RD)CTS72002**	Toolboard back	Black(**BK**), Blue(**BL**), Red(**RD**)	72"	24"	79½"	778 lbs
22" CTS 7 Drawer Side Locker						
TSS **(BK, BL, RD)CTS24001**	—	Black(**BK**), Blue(**BL**), Red(**RD**)	24"	24"	73"	310 lbs
72" CTS Seam						
TSS **APO5000000**	Stainless Steel	—	⅛"	24"	1⅛"	2 lbs

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Homak AVAILABLE IN BK BL RD

H2 PRO

23" DEEP CONSTRUCTED FROM 16 GAUGE STEEL

CASTERS CAPACITY 520LBS

100/200 LBS DRAWER CAPACITIES

DETENT DRAWER SLIDES

GLOBALLY KNOWN & PROFESSIONALLY TRUSTED Since 1947

Homak Exclusive LIFETIME WARRANTY Built to Last

TSS **RD02036081**
TSS **RD04036061**

TSS **BK02056072**
TSS **BK04056082**

TSS **RD02041091**
TSS **RD04041062**

TSS **BL04036061**
TSS **BL02036081**

TSS **RD08018070**

TSS **BL08019602**

Item No.	Description	Color	Width	Depth	Height	Net Weight
36" H2Pro 8 Drawer Top Chest						
TSS **(BK, BL, RD)02036081**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	35¼"	22⅝"	24⅝"	181 lbs
36" H2Pro 6 Drawer Roller Cabinet						
TSS **(BK, BL, RD)04036061**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	36"	23"	36½"	256 lbs
41" H2Pro 9 Drawer Top Chest						
TSS **(BK, BL, RD)02041091**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	41"	22⅝"	24⅝"	198 lbs
41" H2Pro 6 Drawer Roller Cabinet						
TSS **(BK, BL, RD)04041062**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	41¾"	23"	36½"	300 lbs
56" H2Pro 8 Drawer Top Chest						
TSS **(BK, BL, RD)02056072**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	55½"	22⅝"	23⅞"	251 lbs
56" H2Pro 8 Drawer Roller Chest						
TSS **(BK, BL, RD)04056082**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	56"	23"	39½"	380 lbs
72" H2Pro 10 Drawer Top Chest						
TSS **(BK, BL, RD)02036081**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	71⅝"	22⅝"	20⅝"	285 lbs
72" H2Pro 21 Drawer Roller Cabinet						
TSS **(BK, BL, RD)04036061**	Steel 16 ga Frame, 18 ga Drawers	Black(BK), Blue(BL), Red(RD)	72"	23"	38⅛"	585 lbs
19" H2Pro 2 Drawer Side Locker						
TSS **(BK, BL, RD)08019602**	Compatible with 72", 56", 41" & 36" H2Pro Units	Black(BK), Blue(BL), Red(RD)	19"	23"	58⅛"	171 lbs
18" H2Pro 7 Drawer Side Cabinet						
TSS **(BK, BL, RD)08018070**	Compatible with 72", 56", 41" & 36" H2Pro Units	Black(BK), Blue(BL), Red(RD)	18"	23"	36½"	153 lbs

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Homak

GLOBALLY KNOWN & PROFESSIONALLY TRUSTED Since 1947

TSS **GS00659031**

TSS **GS04002270**

TSS **GS00727021**

TSS **GS00765021**

TSS **GS00579030**

TSS **GW00550170**

TSS **GW00550160**

Item No.	Description	Color	Width	Depth	Height	Net Weight
Two Door Wall Cabinet						
TSS **GS0072702**	Heavy Duty Steel	Black & Grey doors	26 7/8"	12"	26 7/8"	38 lbs
Two Door Mobile Cabinet						
TSS **GS04002270**	Heavy Duty Steel	Black & Grey doors	26 7/8"	18"	31"	58 lbs
Two Door Tall Mobile Cabinet						
TSS **GS00765021**	Heavy Duty Steel	Black & Grey doors	26 3/4"	18"	64"	98 lbs
59" 3 Door Work Station						
TSS **GS00659031**	Heavy Duty Steel	Black, Grey doors, Wood	59"	28 3/8"	68 1/2"	192 lbs
79" 3 Drawer Wood Workbench						
TSS **GS00579030**	Heavy Duty Steel	Black, Grey doors, Wood	78 3/4"	23 5/8"	42 1/8"	110 lbs
59" Industrial Steel Workbench						
TSS **GW00550150**	Heavy Duty Steel	Grey and Black	59"	27 1/2"	37"	99 lbs
59" 2 Drawer Steel Workbench						
TSS **GW00550170**	Heavy Duty Steel	Grey and Black	59"	25 1/2"	34"	131 lbs
79" 3 Drawer Steel Workbench						
TSS **GW00550160**	Heavy Duty Steel	Grey and Black	78 3/4"	25 1/2"	34"	170 lbs

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GEARWRENCH®

GEARWRENCH GSX Tool Storage products are built for the day-to-day needs of professional users. Designed with durability, access and maximum storage capacity in mind, they provide superior tool storage solutions for the toughest work environments. GSX tool chests, cabinets, and tool carts are designed to optimize even the most advanced user's workspace and include features like a textured coated finish, integrated power strips, heavy-duty industrial casters, and aluminum drawer pulls. When paired with our full line of mechanics hand tools, GEARWRENCH GSX Tool Storage products cover the needs of every level of a professional user.

TOOL CHESTS

- Cabinet and chest made from 20 gauge steel for strength and durability
- Gas charged lift support struts supports easy lid opening and closing
- Black foam mat liner included for each drawer and top storage space for chests & cabinets to protect surfaces and contents
- Power strip with 4 outlets, 2 USB ports, mounted inside lid with on/off switch*
- Trigger lock system drawer release allows drawers to naturally open and close

Item No.	Description	Width	Depth	Height	Weight	Total Capacity	Till Width	Till Depth	Till Height	Power Strip
APX **83240**	26" 4 Drawer Tool Chest	26"	16"	20.7"	81 lbs.	5,117 in.^{3}	23.9"	16.6"	3.7"	No
APX **83242**	36" 5 Drawer Tool Chest	35.7"	17.8"	23"	115.8 lbs.	10,067.1 in.^{3}	33.2"	17.7"	10.4"	Yes
APX **83244**	41" 5 Drawer Tool Chest	40.6"	17.8"	23"	127.2 lbs.	11,376.3 in.^{3}	38"	17.7"	10.4"	Yes

* Power strip not available on all models

TOOL CHESTS

- Drawers made from 22 gauge steel for strength and durability
- Tubular barrel lock and key for added security and protection of chest contents
- Ball bearing slides offer exceptional load capacity and easy slide action
- Auto return sliding drawer system for added protection of drawer contents
- Textured coated paint finish offers increased resistance to corrosion, weather and staining
- Heavy duty industrial PP casters 2 fixed and 2 swivel, providing easy mobility of the cabinet. Each caster weight rated at 450 lbs.

Item No.	Description	Width	Depth	Height	Weight	Capacity	Drawers	Weight Cap.
APX **83241**	26" 5 Drawer Tool Cabinet	26.7"	18.2"	37.2"	118.4 lbs.	8586 in.^{3}	(1)Top 23.1" W x 15" D x 2.5" H (2)Middle 23.1" W x 15" D x 3.3" H (1)Middle 23.1" W x 15" D x 6.1" H (1)Bottom 23.1" W x 15" D x 9.7" H	100 lbs. 100 lbs. 100 lbs. 100 lbs.
APX **83243**	36" 6 Drawer Tool Cabinet	36.2"	18.2"	38.6"	115.8 lbs.	13,057.24 in.^{3}	(1)Top 31.9" W x 15" D x 3" H (3)Middle 31.9" W x 15" D x 3" H (1)Middle 31.9" W x 15" D x 6.1" H (1)Bottom 23.1" W x 15" D x 9.2" H	100 lbs. 100 lbs. 200 lbs. 200 lbs.
APX **83245**	41" 11 Drawer Tool Cabinet	41.1"	18.2"	41.4"	208.3 lbs.	13,636.33 in.^{3}	(1)Top 36.8" W x 15" D x 4.8" H Left: (1)Top 20.7" W x 15" D x 3" H Left: (2)Middle 20.7" W x 15" D x 3" H Left: (1)Middle 20.7" W x 15" D x 6.1" H Left: (1)Bottom 20.7" W x 15" D x 9.2" H Right: (1)Top 13.7" W x 15" D x 3" H Right: (2)Middle 13.7" W x 15" D x 3" H Right: (1)Middle 13.7" W x 15" D x 6.1" H Right: (1)Bottom 13.7" W x 15" D x 9.2" H	100 lbs. 100 lbs. 100 lbs. 100 lbs. 100 lbs. 100 lbs. 100 lbs. 100 lbs. 200 lbs.

TOOL STORAGE

Tool Chests & Cabinets

GEARWRENCH

7 DRAWER TOOL CART WITH LIFT TOP

- Gas charged lift support struts supports easy lid opening and closing
- Built side screwdriver storage for easy access to screwdriver handle items
- Power strip with 4 outlets, 2 USB ports, mounted inside lid with on/off switch
- Coated finish inner arc side handle providing resistance protection and ease to move cart
- Tubular barrel lock and key for added security and protection of chest contents
- Aluminum drawer pulls supports easier drawer opening, exclusive to GSX series
- Textured coated paint finish provides offers resistance to corrosion, weather and staining
- Heavy duty industrial PP casters 2 fixed and 2 swivel, providing easy mobility of the cabinet. Each caster weight rated at 450 lbs.

APX **83246**

2 DRAWER TOOL CART

- Each drawer built 14% larger and stronger External power tool rack provides easy access
- Corner bumpers minimize damage to the cart or surroundings
- Simple and fast assembly without any loose nuts or washers
- Smooth bottom tray and durable side storage is ideal to hold a range of items
- Larger, heavy-duty polyurethane casters
- 5 year limited warranty

APX **83167**

Item No.	Description	Width	Depth	Height	Weight	Capacity	Drawers	Weight Cap.
APX **83246**	35" 7 Drawer Tool Cart with Lift Top	35"	20"	39"	213 lbs.	16,244.6 in.^{3}	(1)Top 30" W x 18" D x 2.9" H (5)Middle 30" W x 18" D x 2.9" H (1)Bottom 30" W x 18" D x 6.1" H	100 lbs. 100 lbs. 200 lbs.
APX **83167**	33" 2 Drawer Tool Cart	32.5"	20.5"	41"	110.5 lbs.	450 in.^{3}	(1)Till 31.7" W x 18.5" D x 4.9" H (1)Top 27.5" W x 17.4" D x 2.7" H (1)Bottom 27.5" W x 17.4" D x 2.7" H (1)Bottom Tray 32.1" W x 20.2" D x 3.2" H	100 lbs. 100 lbs. 100 lbs. 100 lbs.

GEARWRENCH

GEARWRENCH 11 DRAWER MOBILE WORK STATION 42 IN BLACK, ORANGE POLYURETHANE

- Heavy-duty, 20 gauge steel frame and drawers provide superior strength
- 19,000 cubic inch storage capacity and a 2,000 pound load capacity
- Drawers use full extension ball bearing slides rated to a 100 lbs load limit
- Top drawer features customizable partition system for ease-of-use
- EVA drawer liners come standard as well as a 6mm thick EVA top mat
- Built-in charging station with 6 outlets and 2 USB ports

APX **83169**

CARLYLE TOOLS by NAPA

CARLYLE® DELUXE 4-DRAWER CART WITH BUMPER

Features a high security tubular locking system with four bumpers that help prevent dents and dings and a large push handle for easy mobility.

- The top lid is lifted by full extension gas struts
- Has 5 in. x 2 in. heavy-duty PP casters including 2 swivel with brake
- Built-in slotted side in top tray for prybar and screwdriver organizers
- 30.8 in. W x 40.2 in. H x 20.5 in. D
- 500 lbs. Weight capacity

Item No.	Color
CHT **4DRCARTBK**	Black
CHT **4DRCARTBL**	Blue
CHT **4DRCARTRD**	Red

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DEWALT

TOUGHSYSTEM® TOTES

- Large open interior for bulk storage (can hold spray cans, cables etc.)
- Heavy duty foamed Polypropylene for a tough and strong product
- Robust design
- Side grab handle for carrying the product and placing on ToughSystem Carrier
- Stacking latches allow stacking products one on top of the other as well as on other ToughSystem modules
- Internal slots for inserting dividers for maximum organization of space
- Dimensions 21$^7/_8$ L x 12$^7/_8$" W x 12$^7/_8$" H

DEW **DWST08205**

DEWALT

DEW **DWST08201**

DEW **DWST08204**

TOUGHSYSTEM® CASES

- Durable structural foam box walls give robust structure to the stand alone units
- Integrated water seal in every unit for protection of contents and long life for your equipment
- IP65 rating - water and dust resistant

DEW **DWST08201** Small (21¾ L x 13⅛" W x 6 ⅛" H)
DEW **DWST08204** X-Large (21¾ L x 13⅛" W x 16⅛" H)

DEWALT

TOUGHSYSTEM® RADIO + CHARGER

- Premium sound: 4 Full-range tweeters + 1 Subwoofer +1 Assisted bass resonator
- Charging capability: Built-in charger ensures jobsite productivity by charging 12V MAX* and 20V MAX* DEWALT power tools
- IP54 Rated for water and dust resistance
- Connectivity to Bluetooth®, 3.5 mm. Aux. Input, 5V/1A USB charger
- ToughSystem® Carrier cart compatible
- Can be stacked to other ToughSystem® modules
- Can run on a 12V MAX* or 20V MAX* DEWALT® Li-ion power tool battery or can be plugged into a wall outlet

DEW **DWST08810**

EVERCRAFT

24 IN. 3-DRAWER TOOL BOX

This portable tool box features double-clasp locking for secure tool storage. Equipped with ball bearing drawer slides, each drawer is rated to 33 lbs of tool storage. Constructed with cold-rolled steel for added strength, it's built tough to stand up to everyday shop use.

- Durable powder coat finish
- Designed for durability and security
- Nickel-plated clasps to resist rust and corrosion
- Black
- 12" H x 20" L x 8" W
- Steel

BK **776-0074**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

20 IN. 2-DRAWER TOOL BOX

This portable tool box features double-clasp locking for secure tool storage. Equipped with ball bearing drawer slides, each drawer is rated to 33 lbs of tool storage. Constructed with cold-rolled steel for added strength, it's built tough to stand up to everyday shop use.

- Durable powder coat finish
- Designed for durability and security
- Nickel-plated clasps to resist rust and corrosion
- Black
- 9" H x 20" L x 8" W
- Steel

BK **776-0072**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

24 IN. TOOL BOX

This portable tool box features triple-clasp locking for secure tool storage. The removable steel tray allows you to efficiently organize your tools and carry your most used tools to the job. Constructed with cold-rolled steel for added strength, it's built tough to stand up to everyday shop use.

- Durable powder coat finish
- Designed for durability and security
- Nickel-plated clasps to resist rust and corrosion
- Black
- 9" H x 24" L x 8" W
- Steel

BK **776-0073**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

20 IN. TOOL BOX

This portable tool box features double-clasp locking for secure tool storage. The removable steel tray allows you to efficiently organize your tools and carry your most used tools to the job. Constructed with cold-rolled steel for added strength, it's built tough to stand up to everyday shop use.

- Flat top lid design
- Durable powder coat finish
- Nickel-plated clasps to resist rust and corrosion
- Black
- 9" H x 20" L x 8" W
- Steel

BK **776-0071**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Tool Boxes

EVERCRAFT

19 IN. LARGE TOOL BOX

This portable tool box features a locking clasp for secure tool storage. The removable steel tray allows you to efficiently organize your tools and carry your most used tools to the job. Constructed with cold-rolled steel for added strength, it's built tough to stand up to everyday shop use.

- Hip roof lid design
- Durable powder coat finish
- Designed for durability and security
- Nickel-plated clasp to resist rust and corrosion
- Deep tool box offers over 350 cubic inches of additional tool storage
- Black
- 8" H x 19" L x 7" W
- Steel

BK **776-0076**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

19 IN. SMALL TOOL BOX

This portable tool box features a locking clasp for secure tool storage. The removable steel tray allows you to efficiently organize your tools and carry your most used tools to the job. Constructed with cold-rolled steel for added strength, it's built tough to stand up to everyday shop use.

- Hip roof lid design
- Durable powder coat finish
- Designed for durability and security
- Nickel-plated clasp to resist rust and corrosion
- Black
- 6" H x 19" L x 6" W
- Steel

BK **776-0075**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

16 IN. TOOL BOX

This portable tool box features a locking clasp for secure tool storage and is constructed with cold-rolled steel for added strength. Built tough to stand up to everyday shop use.

- Hip roof lid design
- Durable powder coat finish
- Nickel-plated clasp to resist rust and corrosion
- Black
- 4" H x 16" L x 6" W
- Steel

BK **776-0070**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TOOL BOX DRAWER LINERS

Eppco premium drawer liners are formulated to the same high standards used by nationally known professional tool box manufacturers. They're easy to maintain and fit most tool boxes with just one cut.

- Easily wipes clean
- Won't trap dirt and dust
- Acid and grease resistant
- Nonslip material holds tools in place
- Reinforced with fiber for support and long wear

BK **823-1029** 18" x 72"
BK **823-1030** 24" x 72"

CARLYLE TOOLS by NAPA

CARLYLE TOOL BOX MAT

Tuff-Hyde coating surrounds an OEM type closed-cell support foam to create a mat unlike any other. The durability and toughness of this mat has been time-tested in a very demanding, very large retail environment in thousands of locations across North America. It has been their mat construction of choice for over 10 years. Comfort and support for joints while standing/working, and easy to clean adds to its superior qualities for a terrific value at this price.

- Carlyle logo front and center
- Foam cushioning core does not absorb moisture
- Automotive grade/Oil-resistant foam-polymer blend
- 36" L x 24" W

CHT **TBM2436**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

16 IN. HEAVY-DUTY TOOL TOTE

Keep your tools organized with this Carlyle Tools heavy-duty tote featuring a rigid molded exo-frame and extruded aluminum handle for maximum durability and toughness. The open-tote design has a built-in cover for quick and easy access.

- 7 Exterior and 8 Interior pockets
- Adjustable shoulder straps
- 18.7" x 10" x 11.8"
- 33 lbs. weight capacity

CHT **TBHD16**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

20 IN. HARD BOTTOM OPEN MOUTH TOOL BAG

Keep your tools organized with this Carlyle Tools bag featuring a waterproof hard bottom and wide-open design for quick and easy access.

- 11 exterior and 8 interior pockets
- Adjustable shoulder straps
- 19.3" x 8.7" x 13.4"
- 33 Lbs. weight capacity

CHT **TBGM20**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

18 IN. ROLLING TOOL TOTE

Keep your tools organized with this Carlyle Tools rolling tote featuring a heavy-duty telescoping handle and wheels for easy mobility. The rugged design features a large main compartment and is durably crafted, making it perfect for any jobsite or garage.

- 8 Interior and 14 Exterior pockets
- 360° Reflective safety tape
- 17.7" x 10.2" x 17.3"
- 40 lbs. weight capacity

CHT **TBR18**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HEAVY-DUTY TOOL BACKPACK

Keep your tools within reach with this Carlyle Tools heavy-duty backpack featuring a waterproof hard bottom base for extreme durability and padded adjustable shoulder straps for added comfort.

- Removable 48 pocket tool organizer
- 14.2" x 6.7" x 18.9"
- 33 lbs. Weight capacity

CHT **TBBP**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

16 IN. TOOL BAG WITH ORGANIZER

Keep your tools organized with this Carlyle Tools bag featuring a hard-molded bottom for maximum durability and padded shoulder straps for added comfort. Also included is a heavy-duty transparent organizer with adjustable partitions to keep small items organized.

- 15.7" x 9.4" x 13.4"
- 33 lbs. weight capacity

CHT **TBORG16**

EVERCRAFT™

MAINTENANCE TOOL TOTE

Evercraft™ maintenance tool tote makes it easy to grab the right tools for the job and holds a variety of tools and tool sizes.

- Heavy-duty 600D polyester construction
- Flexible top handle for easy tool access
- Multiple interior and exterior pockets for tool organization
- External webbing loops for attaching small tools and accessories
- 10 Pockets
- 8.5 in. Wide

BK **776-7089**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

EVERCRAFT™

13 IN. EVERCRAFT TOOL BAG

Evercraft™ 13 inch wide mouth tool bag makes it easy to grab the right tools for the job and holds a variety of tools and tool sizes.

- Heavy-duty 600D polyester construction
- Large zippered main compartment
- (3) Exterior pockets for tool organization
- Patented apex handle design distributes weight for easy transport
- 13 in. Wide

BK **776-7088**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

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Plastic Boxes & Organizers

EVERCRAFT

PLASTIC TOOL BOXES

Evercraft tool boxes feature a larger body for accommodating bigger tools and a lift out carry tray for smaller specialty tools.

- Sturdy carrying handle
- Built-in organization compartments
- High-impact, tough polypropylene plastic for durability

Item	Size
BK **776-7086**	17"
BK **776-7087**	20"

CARLYLE TOOLS by NAPA

TOOL BOX ORGANIZER

This Carlyle tool box features a lift-out carry tray, heavy-duty steel latches and an aluminum carrying handle.

- 23" x 11.3" x 10"
- Plastic & Metal

CHT **HHMPTB23**

CARLYLE TOOLS by NAPA

DOUBLE-SIDED ORGANIZER

This Carlyle organizer features a unique lid design that keeps the contents in the appropriate allocated tub and heavy-duty aluminum latches.

- (8) Individual removable tubs
- 15.4" x 6.4" x 12.8"
- Non-Lockable
- Plastic

CHT **HDDS015**

CARLYLE TOOLS by NAPA

9 TUB ORGANIZER

This Carlyle organizer features a polycarbonate lid to identify contents, an integrated weather-proof seal and built-in shock absorbing feet.

- (9) Removable tubs
- 8.9" x 3.2" x 14.8"

CHT **HD06**

CARLYLE TOOLS by NAPA

8 TUB ORGANIZER

This Carlyle organizer features a polycarbonate lid to identify contents, an integrated weather-proof seal and built-in shock absorbing feet.

- (8) Removable tubs
- 17.7" x 3.2" x 14.8"

CHT **HD017**

NAPA

TWO-PIECE ORGANIZER

- This inter lockable, two-piece NAPA organizer is versatile and perfect for small parts organization
- Secure snap shut latches
- Carry up to 3 organizers at once
- Transparent lid and integrated handle for convenience
- Removable dividers allow for customizable compartments
- 14.7" L

BK **315-1409**

NAPA

24 & 36 COMPARTMENT STORAGE DRAWER CABINET ORGANIZER

- Versatile and perfect for small parts organization
- Finger-grip drawer front
- Drawer dividers included
- Rear drawer stop tab prevents contents from spilling

Item	Description	Size
BK **315-1410**	24 Compartment, 12 Transparent drawers	10.5" L
BK **315-1411**	36 Compartment, 18 Transparent drawers	18.6" L
BK **315-1412**	69 Compartment, 30 Transparent drawers	18.6" L

NAPA

50 COMPARTMENT MODULAR STORAGE TOWER ORGANIZER

- Versatile and perfect for small parts organization
- Modular system expands with your storage needs
- Interlock multiple units, vertically or horizontally
- 6 Organizers with 6 or 13 customizable compartments
- 14.8" L

BK **315-1413**

9 BIN MODULAR STORAGE TOWER ORGANIZER

- Versatile and perfect for small parts organization
- Modular system expands with your storage needs
- Interlock multiple units, vertically or horizontally
- 9 Bins can be stacked, nested and side locked
- 14.8" L

BK **315-1414**

49 COMPARTMENT 4-IN-1 STORAGE CASE ORGANIZER

- Versatile and perfect for small parts organization
- Secure snap shut latches
- Transparent lid and integrated handle for convenience
- Removable dividers allow for customizable compartments
- 12.2" L

BK **315-1415**

STORAGE BINS

- General purpose storage bin is perfect for organizing and storage a range of items
- Stackable
- Touch polypropylene plastic for durability
- Black

Item	Size
BK **315-1400**	3" H x 4" D x 6.25" W
BK **315-1401**	5" H x 6" D x 9.5" W

STORAGE BINS

- Perfect for organizing and storing a range of items
- Stackable
- Touch polypropylene plastic for durability.
- Hangers allow bins to attach to most wall surfaces
- Black/Blue

Item	Size	# Hangers
BK **315-1402**	5" H x 6" D x 9.5" W	3
BK **315-1403**	3" H x 4.1" D x 6.5" W	4

43 PC. ORGANIZATION SYSTEM

- Affixes to most flat surfaces
- 2 Plastic panels: 19" x 21 1/4" x 5/8"
- 16 Small bins, 8 medium bins, 4 large bins
- Additional bit & tool holders, versatile hooks
- 19.5" D x 5.7" W

Tools Not Included.

BK **315-1404**

22 COMPARTMENT THIN ORGANIZER CASE

- Thin NAPA organizer is versatile and perfect for small parts organization
- Secure snap shut latches
- Transparent lid and integrated handle for convenience
- Removable dividers allow for customizable compartments
- 16" L

BK **315-1405**

10 COMPARTMENT ORGANIZER CASE

- Versatile and perfect for small parts organization
- Transparent lid
- Secure snap shut latches
- Removable dividers allow for customizable compartments
- 7.5" L

BK **315-1406**

12 COMPARTMENT THIN ORGANIZER CASE

- This thin NAPA organizer is versatile and perfect for small parts organization
- Secure snap shut latches
- Transparent lid and integrated handle for convenience
- Removable dividers allow for customizable compartments
- 9" L

BK **315-1407**

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Organizers

34 COMPARTMENT ORGANIZER CASE

- This double-sided NAPA organizer is versatile and perfect for small parts organization
- Secure snap shut latches
- Transparent lid and integrated handle for convenience
- Removable dividers allow for customizable compartments
- 12.5" L

BK **315-1408**

CADDY WITH MAGNETIC PARTS TRAY

- Tool caddy PRO has dual oversized compartments so you can transport all your tools to the job site.
- Large aluminum handle and oversized access will accommodate the largest of hands, even while wearing heavy winter gloves
- Built in cell phone holder
- SAE and Metric measurements embossed onto side rails
- Built in channel will stabilize pipe, conduit and molding so you can make clean cuts
- Integrated magnetic tray with hidden compartment underneath, tape measure clip, screwdriver and plier holders give you more ways to carry what you need
- 17.4" x 13.10" x 6.90"

CHT **TC19**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GRYPMAT® TOOL STORAGE TRAYS

The Grypmat is the world's most versatile, flexible, non-slip tool tray. The bright orange color provides visual management for tools, especially in difficult work areas. They keep your tools safe, close and organized.

- Surface protection
- Easy to clean, soap and water or brake cleaner will restore it to its original state
- Bends, folds or rolls any way you need it to, always returning to its original shape
- Heat resistant up to 500°
- Chemical and flame resistant
- Built-in measurement system
- Anti-static

Item No.	Description
BK **RFGM-CR01S**	Large 12" x 22"
BK **RFGM-CR02S**	Medium 8" x 12"
BK **RFGM-CR03S**	Small 6" x 12"
BK **RFGM-TP3**	Trio Pack

PARTS BIN MOBILE CART WITH FLIP-OUT BINS & PEG BOARD

Heavy duty mobile cart for convenient storage and retrieval of parts and tools.

- Locking & non locking casters for easy mobility & operation
- Transparent bin window provides unobstructed visibility
- Flip out bins with patented spill resistant design
- Rapid flip design enables quick access to parts.
- Small, medium & large bin sizes suit a wide range of applications
- Peg boards for on-site tool storage
- Steel frame with high density polymer bins

Contents: Frame, (2) locking casters, (2) non-locking casters, (2 each) of 8-bin, 6-bin, 5-bin, 4-bin kits, (2 each) peg boards, (5) flip bin rails, (2) ultra bin rails, (12) peg hooks.

BK **776-7068**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PARTS BIN MOBILE CART WITH FLIP-OUT AND HANGING BINS

Heavy duty two-sided mobile cart for convenient storage & retrieval of parts.

- Transparent bin window provides unobstructed visibility
- Rapid flip design enables quick access to parts
- Small, medium & large flip bin sizes suit a wide range of applications
- Extra duty ultra bins for open parts storage
- Locking and non-locking casters for easy mobility and operation
- Flip out bins with patented spill resistant design
- Steel frame with high density polymer bins

Contents: Frame, (2) locking casters, (2) non-locking casters, (2 each) of 8-bin, 6-bin, 5-bin, 4-bin, (4) ultra bin rails, (5) flip bin rails, (14) ultra bins of assorted sizes.

BK **776-7069**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SHUTER

30 BIN MOBILE CART CABINET

- Heavy duty mobile parts cabinet
- High density polymer bins provide durable strength
- Dividers for separating and organizing parts
- Locking and non-locking casters for easy mobility and operation
- Slanting feature allows inclined bin positioning for easy parts access
- Steel frame with high density polymer bins

Contents: Frame (2) locking casters, (2) non-locking casters, (30) bins, (60) dividers

BK **776-7070**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAPA

NAPA GARAGE SOLUTIONS TOOL TOTE WITH 2 PC. REMOVABLE ORGANIZERS

Keep your tools organized with this NAPA tool tote featuring a wide open design for quick and easy access.

- Built-in tool storage
- Includes two removable organizers
- Constructed of quality polypropylene for added durability

BK **320206**

CARLYLE TOOLS by NAPA

SOCKET ROLL

The Carlyle® socket roll holds 11 shallow and 11 deep sockets (1/4 – 7/8 inch or 8mm – 19mm)

- Easy roll design for compact storage
- Reinforced carry handle for easy transport
- Heavy-duty elastic for ratchet and extension storage
- Socket catch ridge prevents slip-through and allows for hanging
- 18 in. L. x 19 in. W.

CHT **SOCKETROLL**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

MAGNETIC SOCKET HOLDERS

Magnetic socket holders accommodate shallow or deep, SAE or metric sockets.

Item No.	Description
CHT **721**	1/4"
CHT **SD3810**	3/8"
CHT **5010**	1/2"

CARLYLE TOOLS by NAPA

5 ROW LOCK-A-SOCKET TRAY

Five row locking socket holder tray holds shallow or deep, metric or SAE sockets.

- Locks sockets in place by a simple twist to the right

CHT **LASTRAY**

***Tools not included**

CARLYLE TOOLS by NAPA

3 ROW LOCK-A-SOCKET TRAY

Three row locking socket holder tray holds shallow or deep, metric or SAE sockets.

- Locks sockets in place by a simple twist to the right
- Fits 1/4", 3/8" and 1/2" sockets

CHT **LAST253850**

***Tools not included**

CARLYLE TOOLS by NAPA

1/4 IN. DR. MAGNETIC SOCKET HOLDER

Carlyle Tools magnetic socket holder features twenty-six compartments, allowing you to keep your 1/4" standard and deep sockets organized in one convenient holder. It's powerful magnets securely hold sockets in tray and the tray to any steel surface.

- Holds sockets up to 5/8" or 15mm
- Design of holders leaves sockets exposed for easy identification
- Made of strong ABS plastic

CHT **40130**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3/8 IN. DR. MAGNETIC SOCKET HOLDER

Carlyle Tools magnetic socket holder features twenty-eight compartments, allowing you to keep your 3/8" standard and deep sockets organized in one convenient holder. It's powerful magnets securely hold sockets in tray and the tray to any steel surface.

- Holds sockets up to 1 inch or 24mm
- Design of holders leaves sockets exposed for easy identification
- Made of strong ABS plastic

CHT **40210**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Organizers

1/2 IN. DR. MAGNETIC SOCKET HOLDER

Carlyle Tools magnetic socket holder features twenty-two compartments, allowing you to keep your 1/2" standard and deep sockets organized in one convenient holder. It's powerful magnets securely hold sockets in tray and the tray to any steel surface.

- Holds sockets up to 1 inch or 20mm
- Rubber feet protect tool box from scratching
- Made especially for impact socket sets
- Design of holders leaves sockets exposed for easy identification
- Made of strong ABS plastic

CHT **40990**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOCKET HOLDERS

- Holds 26-28 sockets
- Size indicator on each row
- Friction posts designed for shallow and deep sockets

Item No.	SAE/Metric	Drive
CHT **PSH25M**	Metric	1/4"
CHT **PSH25S**	SAE	1/4"
CHT **PSH38M**	Metric	3/8"
CHT **PSH38S**	SAE	3/8"
CHT **PSH50M**	Metric	1/2"
CHT **PSH50S**	SAE	1/2"

2 ROW LOCK-A-SOCKET TRAYS

Double row locking socket holder features a high energy magnetic strip on the back that securely attached the socket holder to almost any clean, smooth metal surface. Locks sockets in place by a simple twist to the right.

Item No.	Description
CHT **LASDR25**	Fits 1/4" Sockets
CHT **LASDR38**	Fits 3/8" Sockets
CHT **LASDR50**	Fits 1/2" Sockets

***Tools not included**

NON-SKID LOCK-A-SOCKET SOCKET HOLDERS

Lock-A-Socket™ is the most versatile product for socket organization.

- Locks socket in place by a simple twist to the right
- Holds shallow or deep, SAE or metric sockets

Item No.	Description
CHT **NSLAS25C**	Fits 1/4" Sockets
CHT **NSLAS38C**	Fits 3/8" Sockets
CHT **NSLAS50C**	Fits 1/2" Sockets

***Tools not included**

LOCK-A-SOCKET

You can customize your Lock-A-Socket rail with easy-to-read socket size indicators in metric and SAE. The underside contains a full length, high-powered, no adhesive magnet, inserted into an aluminum base for mounting onto most metal surfaces. Twist-to-lock feature securely locks your sockets onto the rail for safe storage. The lock the socket, simply turn the socket to the right. To unlock the socket, simply turn the socket to the left.

- Socket size indicators for SAE and metric

Item No.	Drive Size	Length	Accommodates
CHT **CLAS14MS**	1/4 In.	14.75 In.	13 sockets
CHT **CLAS38MS**	3/8 In.	18.75 In.	14 sockets
CHT **CLAS12MS**	1/2 In.	22.75 In.	16 sockets

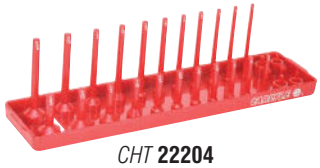
LOCK-A-SOCKET™ SOCKET HOLDERS

Lock-A-Socket™ is the most versatile product for socket organization. The underside contains a full-length, high-powered, non-adhesive magnetic strip that securely attaches the socket holder to almost any clean, smooth metal surface.

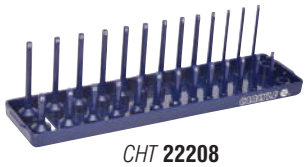
- Locks sockets in place by a simple twist to the right
- Holds shallow or deep sockets
- Accommodates all sizes of powered sockets

Item No.	Description
CHT **LAS25C**	Fits 1/4" Sockets
CHT **LAS38C**	Fits 3/8" Sockets
CHT **LAS50C**	Fits 1/2" Sockets

***Tools not included**



CHT **22204**



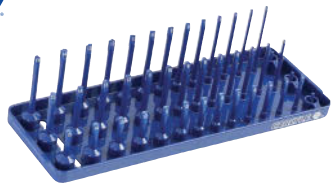
CHT **22208**

DUAL RAIL SYSTEM SOCKET HOLDERS

Dual rail system for deep and shallow sockets.

- Each post has an extended base for a more secure fit
- Posts are clearly labeled for effortless identification

Item No.	Description	Socket Range
CHT **22204**	1/4" Drive SAE	1/8" to 5/8"
CHT **22205**	3/8" Drive SAE	1/4" to 1"
CHT **22206**	1/2" Drive SAE	3/8" to 1 1/4"
CHT **22208**	1/4" Drive Metric	4mm to 15mm
CHT **22209**	3/8" Drive Metric	6mm to 20mm
CHT **22210**	1/2" Drive Metric	10mm to 27mm

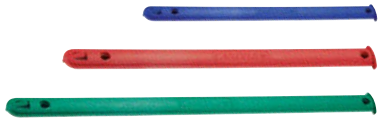


CARLYLE® SOCKET TRAYS

Optimize your time under the hood by eliminating time spent looking for the right tool with Carlyle® organizational equipment. Finding the right socket that you need in a cluttered tool box can be frustrating and time consuming. Socket trays allow you to sort your sockets in ascending order for quick and easy identification.

- Stores standard and impact sockets
- Posts are clearly labeled for effortless identification
- Each post features an extended base to keep sockets in place
- Stores and organizes deep, semi-deep and shallow sockets

Item No.	Size	SAE/Metric	Socket Range
CHT **22353**	1/4"	Metric	4mm to 15mm
CHT **22355**	1/2"	Metric	10mm to 20mm
CHT **22356**	1/4"	SAE	1/8" to 5/8"
CHT **22354**	3/8"	Metric	6mm to 20mm
CHT **22355**	1/2"	Metric	10mm to 27mm
CHT **22357**	3/8"	SAE	1/4" to 1"
CHT **22358**	1/2"	SAE	3/8" to 1 1/4"



SOCKET STORAGE RAILS

Polypropylene plastic storage rails for sockets and bit sockets.

Item No.	Length	Rail Drive Sizes	Color	Type
CHT **SR8B**	8"	1/4", 3/8", 1/2"	Blue	Metric
CHT **SR8R**	8"	1/4", 3/8", 1/2"	Red	SAE
CHT **SR8G**	8"	1/4", 3/8", 1/2"	Green	Star
CHT **SR12B**	12"	1/4", 3/8", 1/2"	Blue	Metric
CHT **SR12R**	12"	1/4", 3/8", 1/2"	Red	SAE
CHT **SR12G**	12"	1/4", 3/8", 1/2"	Green	Star
CHT **SR15B**	15"	1/4", 3/8", 1/2"	Blue	Metric
CHT **SR15R**	15"	1/4", 3/8", 1/2"	Red	SAE
CHT **SR15G**	15"	1/4", 3/8", 1/2"	Green	Star

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SOCKET HOLDER RAIL REPLACEMENT CLIPS

Polypropylene.

Part No.	Description	Qty.
CHT **SR14RC**	1/4" Dr. Clips	25
CHT **SR38RC**	3/8" Dr. Clips	25
CHT **SR12RC**	1/2" Dr. Clips	25

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WRENCH RACK

Tidy up your work space with the Carlyle Tools wrench rack. Holds up to 15 wrenches. Color: black.

CHT **WR15**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MAGNETIC WRENCH HOLDER

Magnetic wrench holder securely holds a variety of wrenches. Perfect for tool boxes and shop carts.

Item No.	Description
CHT **MWH14SR**	SAE – Holds up to 1 in.
CHT **MWH14MB**	Metric – Holds up to 21mm

LOCK-A-WRENCH MAGNETIC WRENCH HOLDER

Magnetic locking wrench holder will attach to most metal surfaces and securely holds a variety of wrenches.

- Holds SAE or metric up to 1 inch or 24mm
- Holds up to 12 pieces
- Simply twist to lock and unlock

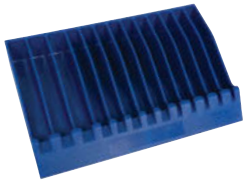
CHT **LAW12**

MAGNETIC WRENCH HOLDER

This magnetic wrench holder will attach to most metal surfaces and securely holds a variety of wrenches.

- Holds up to 10 SAE or metric wrenches

CHT **680C**



PLASTIC PLIERS/WRENCH RACK

Organize your tool box drawer with the Carlyle Tools plier/wrench rack. It features two different size slots to accommodate all sizes of tools. The front edge also has indentions to hold tools upright.

CHT **40460**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Organizers

MAGNETIC SCREWDRIVER HOLDER

Magnetic screwdriver holder features oil and fuel resistant plastic with a powerful magnetic rubber base. Great for service carts and is easily transferable to your work area.
- Holds up to 15 screwdrivers

CHT **SDH15B**

MAGNETIC INSERT BIT HOLDER

Magnetic bit holder holds up to 37 of your most frequently used hex or torx bits in a compact organizer and is portable, making it easy to move from one workspace to the next.
- Plastic molded with magnetic backing
- Attaches to almost any clean, smooth metal surface

CHT **581**

MAGNA-PANEL MAGNETIC TOOL HOLDERS

Magnetic tool organization panels versatile design holds a variety of tools, nuts, bolts, screws and much more.
- High energy magnets to achieve maximum holding strength
- For best results, attach to a metal surface
- Unique panel design allows you to add panels as you need them

Item No.	Description
CHT **12X6C**	12" x 6"
CHT **6X12C**	6" x 12"
CHT **12X12C**	12" x 12"

***Tools not included**

MAGNA-STICK MAGNETIC RAIL TOOL HOLDER

Magnetic tool organization stick is perfect for sockets, wrenches, pliers and much more.
- Ultra-thin, low-profile design
- Won't scratch or mar surfaces

CHT **210RC**

MAGNA-PANEL MAGNETIC TOOL HOLDER

Magnetic tool organization panel tray holds a variety of tools, nuts, bolts, screws and much more. Has a handle for ease of carrying.

CHT **MPT12X6BLK**

MAGNA-RAIL MAGNETIC TOOL ORGANIZER

Magnetic tool organization rail holds a variety of tools, nuts, bolts, screws and much more. Magnetic on front and back.

CHT **MRM200RC**

MAGNETIC TOOL ORGANIZER

This magnetic tool organizer holds a variety of pliers, ratchets, extensions and much more.
- Magnetic backing secures organizer onto almost any metal surface
- High powered magnets in a compact, efficient design
- Holds up to ten tools

CHT **MPH10**

MAGNETIC AIR TOOL HOLDER

Magnetic air tool holder locks tools in holder for easy access and the magnetic backing helps Lock-A-Airtool stay in place. It also reduces dirt, grime and other contaminants while being stored.
- Made of durable, impact and chemical resistant material
- Add or remove individual holders to meet your needs
- Fits on most service carts and toolboxes
- Easily operated with one hand
- Slide locking holders along rail for necessary spacing
- 2" x 14" x 2"

CHT **LAAT4**

***Tools not included**

CARLYLE TOOLS AIR TOOL HOLDER

Store commonly used impact sockets, pneumatic tools and air hoses with Carlyle's air tool holder.
- Bottom wire hooks can store additional tools or hoses
- Durable PE coating resists corrosion and easily wipes clean
- Strong magnets firmly attach to any ferrous work surfaces
- 15.7" L x 4.4" W

CHT **24949**

⚠ WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer or reproductive defects. For more information, go to www.P65Warnings.ca.gov.

MAGNETIC GLOVE DISPENSER

Magnetic glove dispenser attaches to any ferrous surface and is ideal for easy use and convenient storage.

- (4) Powerful magnets provide 8 lb. load capacity
- Self-adjusting spring sides hold various box sizes

CHT **24945**

MAGNETIC PAPER TOWEL HOLDER

This powder-coated magnetic paper towel holder holds one roll of paper towels and comes with two pieces to fit different size rolls.

- 4" x 4" x 5"

CHT **MTHT**

⚠ **WARNING: This product can expose you to chemicals including phthalate which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov.**

MAGNETIC PARTS TRAY

This powder-coated magnetic parts tray is perfect for holding a variety of tools.

- 2" x 14" x 1"
- Steel

CHT **MTT135**

DRAWER ORGANIZER PARTS TRAY

Low-profile drawer organizer tray fits in shallow tool box drawers.

- Stackable design
- Rolled bottom edges allow easy removal of small parts
- Plastic
- 16" x 11" x 1.5"

CHT **22213**

4 PC. MAGNETIC PARTS TRAY SET

This 4-piece powder-coated magnetic parts tray set is perfect for holding a variety of tools.

- Steel
- (4) Drawers: 6", 8", 10" and 12"

CHT **MS4T**

⚠ **WARNING: This product can expose you to chemicals including phthalate which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov.**

ROUND MAGNETIC PARTS TRAY

Stainless steel tray features heavy-duty permanent magnet and rubber scratch guard. Fully magnetized tray holds nuts, bolts, screws, etc., Can be used horizontally, vertically or upside down! Diameter: 6".

BK **776-8000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RECTANGULAR MAGNETIC PARTS TRAYS

Stainless steel trays feature heavy-duty permanent magnet with rubber scratch guard. Fully Magnetized Tray Holds Nuts, Bolts, Screws, etc. Can be used horizontally, vertically or upside down.

Item	Description
BK **776-8001**	Stainless Steel, 9 3/8" L x 5 1/4" W
BK **776-8002**	Blue, 9 3/8" L. x 5 3/8" W

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

JUMBO MAGNETIC PARTS TRAYS

Fully magnetized, stainless steel tray holds bolts, nuts, screws, etc. Features four heavy-duty magnets (will not scratch metal) with built-in handles. Dimensions: 11 1/2" x 10 3/4".

Item	Description
BK **776-8003**	Stainless Steel
BK **776-8004**	Blue

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Organizers

CARLYLE TOOLS by NAPA

CARLYLE MAGNETIC NUT CUP

No more crawling around on the ground looking for a fastener that fell out of your hand as you were working. This magnetic cup holds nuts, bolts, parts and screws securely until you need them. Perfect for small tools, parts and fasteners that you want to keep handy. Strong magnets attach the cup securely to any flat metal surface, so they are always within reach.

- Cups are oil and fuel resistant
- Magnets are coated to protect work surfaces
- The cup will hold up to 5 lbs. in a vertical position
- Angled design allows it to be positioned vertically, horizontally or at any angle
- 6" diameter

CHT **25514**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer or reproductive defects. For more information, go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MAGNETIC MAT

Carlyle Tools magnetic work mat holds tools, nuts, bolts and other hardware. Use it to extend storage space on the outside of tool chests while protecting paint from nicks and scratches.

- Use as a sweep to pick up metal objects
- Grommets included for wall or peg hanging
- Welded flexible sections easily fold for portability
- 18 high-powered neodymium magnets embedded inside
- 12" x 12"

CHT **MM12**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

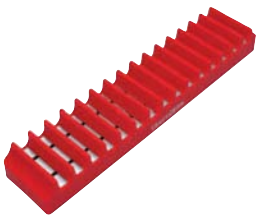
12 IN. STEEL MAGNETIC ACCESSORY

- Versatile storage system for any steel hand tool
- Magnetic backing makes for easy storage and organization
- 12" x 6"

CTM **CMMT99406**

CRAFTSMAN

15 PC. PLASTIC AND STEEL SCREWDRIVER STORAGE



- Easy way to organize screwdrivers
- Magnetic backing makes for easy storage and organization
- 15-piece Magnetic Screwdriver Holder

CTM **CMMT99418**

CRAFTSMAN

PLASTIC AND STEEL SOCKET STORAGE

- Plastic socket holder for easy socket identification
- Holds full range of sockets
- Easily organize and store sockets
- Rust and corrosion resistant for extended use
- 4 Rail

CTM **CMMT99419**

GEARWRENCH

MAGNETIC SOCKET RAIL

- Rotating socket clips make loading and unloading easy
- Aluminum frame keeps rails straight and secure
- Every clip has a ball bearing socket retention system

Item No.	Description
APX **83126**	1/4" Drive
APX **83127**	3/8" Drive
APX **83128**	1/2" Drive

GEARWRENCH

2 PC. REVERSIBLE WRENCH RACK

APX **83126**

APX **83120**

- Takes up 30% less space in your tool drawer
- Self-aligning, reversible side rails with a quick-change design
- Wrenches always face forward for easy size identification

Item No.	Description
APX **83121**	Holds 16 Wrenches Each
APX **83120**	Holds 13 Wrenches Each

GEARWRENCH

SOCKET TRAY SET

APX **83118**

- Space saving design preferred by, and designed for professionals
- Set includes racks for 1/4", 3/8" and 1/2" drives
- Vertical storage design for easy access in limited space

Item No.	Description
APX **83118**	3 Pc. SAE
APX **83119**	3 Pc. Metric

CARGOSMART

X-TRACK RAILS

Ideal for use in trailers, garages, sheds and workshops, CargoSmart® X-Track Rails create a series of anchor points that accept a wide variety of rails, hooks, baskets, straps and specialty accessories that can be positioned to create highly functional organizational systems. Unlike traditional E-Track rails, CargoSmart's patented X-Track rails feature perpendicularly positioned track attachment slots that form an "X" pattern. This allows X-Track rails to be positioned both horizontally and vertically, providing more versatility when creating your track anchoring system. Installation hardware sold separately.

- Durable rust and corrosion-resistant steel track
- Predrilled ¼ in. holes allows for installation in a variety of substrates, including wood and drywall
- Appropriate attachment hardware required
- Black matte

BK **1787** 24 inch
BK **1788** 60 inch

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

X-TRACK 24 IN. RAIL

Ideal for use in trailers, garages, sheds and workshops. CargoSmart® X-Track rails create a series of anchor points that accept a wide variety of rails, hooks, baskets, straps and specialty accessories that can be positioned to create highly functional organization systems. Unlike traditional E-Track rails, CargoSmart's patented X-Track rails feature perpendicularly positioned track attachment slots that form an "X" pattern. This allows X-Track rails to be positioned both horizontally and vertically, providing more versatility when creating your track anchoring system.

- Durable rush and corrosion -resistant steel track
- Appropriate attachment hardware required (not included)
- Predrilled ¼ in. holes allow for installation in a variety of substrates, including wood and drywall

BK **6678**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

X-TRACK SINGLE PIECE

- Single X-Track slot allows for smaller organization systems or for connecting to larger systems
- Durable rust and corrosion-resistant steel
- Predrilled ¼ in. holes allow for installation in a variety of substrates, including wood and drywall
- Appropriate attachment hardware required

BK **6500**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

X-TRACK/E-TRACK HARDWARE KIT

CargoSmart® X-Track and E-Track Hardware Kits include the components required to install 24 in. and 60 in. CargoSmart track rails. The appropriate connectors should be used for the type of substrate you are installing X-Track or E-Track rails to.

- For use to install CargoSmart X-Track or E-Track rails
- Includes screws and toggle bolts
- Includes 4 Phillips head wood screws and 8 toggle bolts

BK **1782**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

DUAL ARM FLAT HOOK

The CargoSmart® Premium Coated Dual Arm Flat Hook works great to store different styles of tool bags, equipment and tools. Rubber-coated finish protects cargo from scratches. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection. A sturdy, 2-wire design helps keep cargo in place in your enclosed trailer or garage.

- Spring loaded fitting connects to both X-Track and E-Track anchoring systems
- Fast and easy installation
- Easily reposition to different locations on the rails as your organization needs change
- Durable, solid steel construction with a durable protective finish
- No mounting hardware included
- 200 Lbs. load capacity

BK **1702**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

DUAL ARM "J" HOOK

The CargoSmart® Premium Coated Dual Arm "J" Hook works great to store different styles of bicycles, equipment and tools. Rubber-coated finish protects cargo from scratches. 2-wire design helps keep cargo in place. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- For holding large objects like bicycles, equipment and tools
- Spring-loaded fitting connects to both X-Track and E-Track anchoring systems
- Fast and easy installation
- Easily reposition to different locations on the rails as your organization needs change
- Durable, solid steel construction with a durable protective finish
- No mounting hardware included
- 200 Lbs. maximum load capacity

BK **1703**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

X-TRACK LARGE "J" HOOK

The CargoSmart® Premium Large "J" Hook features a large hook opening and round bottom designed for hanging and storing coiled items like hoses and extension cords. Constructed with a spring-loaded fitting that clips into X-Track and E-Track rails for provide a safe and secure connection. This versatile hook holds up to 200 lbs., making it ideal for use in both enclosed trailers and garages.

- Fast and easy installation
- Easily reposition to different locations on the rail and your organizational needs change
- Rubber coated finish protects from scratches
- No mounting hardware included

BK **6542**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

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CARGOSMART.

EXTENDED DUAL ARM TOOL HOOK

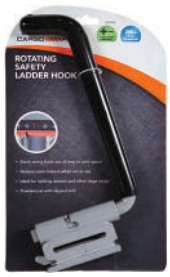
The CargoSmart® Premium Extended Dual Arm Tool Hook works great to store long handled tools and equipment in enclosed trailers or garages. The extended arm is designed to securely hold multiple tools. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Ideal for holding multiple long-handled tools such as brooms, rakes or shovels
- Spring-loaded fitting connects to both X-Track and E-Track anchoring systems
- Fast and easy installation
- Easily reposition to different locations on the rails as your organizational needs change
- Durable, solid steel construction with a durable protective finish
- No mounting hardware included
- 200 Lb. maximum load capacity

BK **6543**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ROTATING SAFETY LADDER HOOK



The CargoSmart® premium rotating safety ladder hook has a swinging hook design that allows it to be easily repositioned to save space and reduce catch hazards when not in use. Eliminates the need to repeatedly take down and put up hooks in tight trailer spaces. Constructed with a spring-loaded fitting that clips into X-Track and E-Track rails to provide a safe and secure connection.

- Ideal for holding ladders and other large cargo
- Spring-loaded fitting connects to both X-Track and E-Track rails
- Fast and easy installation
- Easily reposition to different locations of the rails as your organizational needs change
- Rubber coated finish protects from scratches
- No mounting hardware included
- 200 Lbs. maximum load capacity

BK **6544**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

X-TRACK LARGE FLAT HOOK

The CargoSmart® premium large flat hook is designed with a flat bottom hook design for holding ladders and other large utility items, securing items off the ground. Constructed with a spring-loaded fitting that clips into X-Track and E-Track rails to provide a safe and secure connection. Ideal for placement in enclosed trailers and garages.

- Fast and easy installation
- Easily reposition to different locations on the rails and your organizational needs change
- Rubber coated finish protects from scratches
- No mounting hardware included
- 200 Lbs. maximum load capacity

BK **6545**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

DUAL ARM TOOL HOOK

The CargoSmart® premium dual arm took hook is an ideal solution for long-handled tools, such as rakes and shovels, that require two prongs for securing items off the ground. Constructed with a spring-loaded fitting that clips into X-Track and E-Track rails to provide a safe and secure connection.

- Ideal for holding multiple long-handled tools such as brooms, rakes or shovels
- Can be used with CargoSmart tool stabilizer for even better securement
- Rubber coated finish protects from scratches
- 2.25 in. Inside hook dimensions
- No mounting hardware included
- 200 Lbs. maximum load capacity

BK **6546**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ROTATING SAFETY "J" HOOK

The CargoSmart premium rotating safety J-Hook is an ideal storage solution for high traffic areas. The J-Hook is designed to swing out of the way to reducing catch hazards and to save space when not in use. The round shape of the J-Hook is ideal for organizing rope, cords and hoses on enclosed trailers or in garages. Construction with a spring-loaded fitting that clips into X-Track or E-Track rails to provide a safe and secure connection.

- Swinging hook design saves space and reduces catch hazards
- Spring-loaded fitting connects to both X-Track and E-Track rails
- Fast and easy installation
- Can be easily moved to different locations as your organizational needs change
- Rubber coated finish protects from scratches
- No mounting hardware included
- 200 Lbs. maximum load capacity

BK **6547**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SMALL SQUARE HOOK

The CargoSmart® premium small square hook works great to store different styles of tool bags, equipment and tools. Constructed with a spring-loaded fitting that clips into X-Track and E-Track rails to provide a safe and secure connection. A flat bottom design makes this an ideal hook for storing smaller items in enclosed trailers and garages.

- Small, flat bottom, square hook design for storing smaller items
- Spring-loaded fitting connects to both X-Track and E-Track rails
- Fast and easy installation
- Easily reposition to different locations on the rails as your organizational needs change
- Rubber coated finish protects from scratches
- No mounting hardware included
- 200 Lbs. maximum load capacity

BK **6548**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARGOSMART

X-TRACK END PIECE

Ideal for use in trailers, garages, sheds and workshops, CargoSmart® X-Track rails create a series of anchor points that accept a wide variety of rails, hooks, baskets, straps and specialty accessories that can be positioned to create highly functional organizational systems. Unlike traditional E-Track rails, CargoSmart's patented X-Track rails feature perpendicularly positioned track attachment slots that form an "X" pattern. This allows X-Track rails to be positioned both horizontally and vertically, providing more versatility when creating your track anchoring system. Installation hardware sold separately.

- Single X-Track slot allows for smaller organizational systems or for connecting to larger systems
- Durable rust and corrosion-resistant steel
- Predrilled ¼ in. holes allow for installation in a variety of substrates, including wood and drywall
- Appropriate attachment hardware required

BK **1745**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SMALL STEEL TRACK BASKET

The CargoSmart® small wire track basket provides space-saving storage for items such as tennis balls, cleaning equipment and other small items. Features a steel wire design that allows air flow to move through the basket. Constructed with a spring-loaded fitting that clips into E-track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Mounts to E-Track and X-Track rails or to wall with included connectors
- Ideal for items such as tennis balls, cleaning equipment and other small items
- Can be easily moved to different locations as your organizational needs change
- 6" H x 6" L x 12" W

BK **1784**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

LARGE STEEL TRACK BASKET

The CargoSmart® large wire track basket provides space-saving storage for trailer and garage accessories such as tarps, basketballs, water hoses and other large items. Features a steel wire mesh design that allows air flow to move throughout the basket. Constructed with spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Mounts to X-Track and E-Track rails or to wall with included connectors
- Ideal for storing trailer accessories such as tarps and other large items
- Can be easily moved to different locations as your organizational needs change
- 18" H x 12" L x 20" W

BK **1786**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

MEDIUM COATED STEEL TRACK BASKET

The CargoSmart® Medium Wire Track Basket provides space-saving storage for trailer and garage accessories such as gardening tools, and other medium-sized items. Features a steel wire mesh design that allows air flow to move throughout the basket. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Mounts to E-Track and X-Track rails or to wall with included connectors
- Ideal for storing trailer and garage accessories such as gardening tools, and other medium-sized items
- Can be easily moved to different locations as your organizational needs change
- 12" H x 6" L x 24" W

BK **1719**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

MEDIUM PLASTIC TRACK BIN

CargoSmart's plastic track bins are ideal for storing small items. Features a plastic design to prevent rust build-up. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection. Polymer bin can mount to rail or to wall with included connectors.

- Mounts to E-Track and X-Track rails or to wall with included connectors
- Ideal for storing trailer or garage accessories such as lawn fertilizer, refuse bags or other medium sized items
- Can be easily moved to different locations as your organizational needs change
- 6" H x 6" L x 12" W

BK **1722**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

LARGE DROP-IN PLASTIC TRASH BIN

The CargoSmart® large drop in plastic 6.5 gallon trash bin features a heavy-duty plastic bin that sits in a wire frame and is easy to remove. Features a plastic design to prevent rust build up. The X-Track connector design allows for easy placement throughout the X-Track rail and prevents the bin from having to be in a permanent position. Mounts to X-Track or E-Track system, or to wall with included connectors.

- Heavy-duty plastic bin sits in a wire frame and is easy to remove
- Mounts to X-Track or E-Track systems, or to wall with included connectors
- 14" W x 9" D x 16" H

BK **1723**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

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CARGOSMART.

MULTI-USE UTILITY STORAGE TRAY

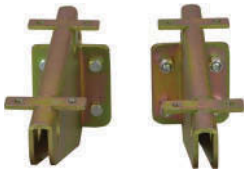
The CargoSmart® Multi-Use Utility Storage Tray easily connects to CargoSmart X-Track mounting rails or wall. Place various items or a helmet in the bin to save space. Maximizes use of space with the X-Track storage system. Made of powder-coated steel.

- Provides space-saving storage for various items or a helmet
- Storage bin easily connects to X-Track rails
- 30 lbs. Load capacity

BK **6518**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

FIXED SHELF TRACK BRACKETS



- 12 inches

BK **1726**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ADJUSTABLE DUAL TRACK BRACKETS

BK **1728**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

FOLDING TRACK BRACKETS

- 24 inches longs

BK **1744**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

FOLDING SHELF BRACKETS

BK **1727**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

TOOL HOLDER FOR X-TRACK & E-TRACK SYSTEMS

The CargoSmart® tool holder is designed to provide convenient hand tool storage. Works great to organize small handled tools. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Spring-loaded fitting connects to both X-Track and E-Track anchoring systems
- Fast and easy installation
- Easily reposition to different locations on the rails as your organizational needs change

BK **1739**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

LANDSCAPE TOOL HOLDER

The CargoSmart® landscape tool holder securely stores line trimmers, pole saws, leaf blowers and hedge trimmers. Quick-action spring clamps allow for fast access to tools. Perfect for organizing landscape tools by allowing then to be store off of the floor to optimize storage space. Constructed with a spring-loaded fitting the clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Securely store line trimmers and other landscaping tools
- Spring-loaded fitting connects to be X-Track and E-Track anchoring systems
- Easily reposition to different locations on the rails as your organizational needs change

BK **1741**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

HOSE AND CORD HOLDER

The CargoSmart® hose and cord holder lets you store hoses or cords without kinks or knots. Perfect for organizing cords or hoses by allowing them to be stored off of the floor to optimize storage space. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Enables storage of hoses or cords without kinking or knotting
- Holds up to 125 ft. of 5/8" garden hose or 450 ft. of cord
- Spring-loaded fitting connects to both X-Track and E-Track anchoring systems
- Can be easily move to different locations as your organizational needs change

BK **1749**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

TOOL STABILIZER

The CargoSmart® Tool Stabilizer adds extra security to long-handled tool storage by providing an extra mounting point, when combined with one of the CargoSmart tool hooks. Stabilizer design allows tool handles to easily snap in and out. Heavy-duty rubber material prevents scratching of the tools and provides better organization. The X-Track connector design allows for easy placement throughout the X-Track rail and prevents the stabilizer from having to be in a permanent position. Strong, durable and flexible design fits many common handle sizes. Works with E-Track and X-Track systems. Made with steel and polyurethane.

- Provides an extra mounting point, when combined with CargoSmart tool hook
- Handles can easily snap in and out
- Strong, flexible design fits many common handle sizes
- Works with E-Track and X-Track systems
- Mounting hardware included

BK **1710**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARGOSMART

TRACK BOTTLE OPENER

The CargoSmart® track bottle opener is movable to any location on your track system. Constructed with a spring-loaded fitting that clips into E-Track anchor points, and CargoSmart's exclusive X-Track system, to provide a safe and secure connection.

- Durable zinc-coated steel construction
- Spring-loaded fitting connects to both X-Track and E-Track anchoring systems
- Easily reposition to different locations on the rails as your organizational needs change
- 2" L x 2" W

BK **7501**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARGOSMART

MESH UTILITY BAG

Durable mesh CargoSmart® utility track bag is ideal for storing extra tie-down straps, hooks and accessories. The X-Track connector design allows for easy placement throughout the X-Track rail and prevents the brush from having to be in a permanent position. Works with X-Track and E-Track systems.

- Ideal for storing extra trailer or garage accessories
- Mounts to track system with built-in connectors
- Can be easily moved to different locations as your organizational needs change

BK **6513**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARGOSMART

SPORTS STICK HOLDER

Keep bats, sticks and rackets neatly organized in the CargoSmart® Sports Stick Holder. Store up to 7 sports sticks, such as baseball bats, lacrosse sticks, hockey sticks, tennis rackets, and more. Keep accompanying tennis balls, baseballs, and lacrosse balls neatly behind the sports sticks on a single, sturdy steel organizer. Perfect for garage and utility closet storage.

- Holds hockey sticks, baseball bats, lacrosse sticks and tennis rackets
- Store different types of sports balls directly behind sticks
- Durable, heavy duty steel construction
- Mounts to track system with built-in connectors

BK **1781**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARGOSMART

ACCESSORY BAR

The CargoSmart® accessory bar provides a convenient storage solution for a wide variety of items. The accessory bar can store everything from paper towels to ratchet straps. Ergonomically designed large handle secures items onto the bar. The X-Track connector design allows for easy placement throughout the X-Track rail and prevents the accessory bar from having to be in a permanent position. Durable steel construction with plastic cap.

- Ergonomically designed large handle secures items to the bar
- Solid steel construction
- Compatible with X-Track and E-Track systems

BK **1750**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

WRAP-IT HEAVY-DUTY STORAGE STRAPS

Heavy-duty Wrap-It Storage Straps are tough. Made with heavy-duty polypropylene, industrial strength hook and loop and a rust-resistant grommet, these are built to last indoors and outdoors. Organize, hang and store cords, hoses, rope and so much more. Great to get organized around the house or in the garage, shop, shed, RV, boat or truck.

- Easy open tab
- Multi-purpose, use for organizing more than just cords
- Industrial strength hook and loop fastener holds up to 50 lbs
- Weatherproof, use indoors or outdoors

Contents: (2) 10 in. straps, (2) 13 in. straps and (2) 17 in. straps

BK **106-234BX**

WRAP-IT STORAGE HEAVY-DUTY STORAGE STRAPS

Heavy-Duty Wrap-It Storage Straps are tough. Made with heavy-duty polypropylene, industrial strength hook and loop, and a rust-resistant grommet, these are built to last indoors or outdoors. Organize, hang and store cords, hoses, rope and so much more. Great to get organized around the house or in the garage, shop, shed, RV, boat or truck.

- Easy open tab
- Multi-purpose use
- Super strong, holds up to 50 lbs.
- Weatherproof, use indoors or outdoors
- 13 inches
- 2 Straps per package

BK **102-30BX**

HEAVY-DUTY STORAGE STRAPS

Get your bulky cables, hoses, cords and ropes looped, wrapped tight and stored up and away like a power-lifter with our best selling heavy-duty storage straps. They're perfect for everyday use.

- Polypropylene material and rust-resistant grommet is weatherproof
- Straps are super strong and can hold up to 50 lbs. for those large cables

Item No.	Color	Pack Qty.
BK **104-10BX**	7 In.	4-Pack
BK **103-20BX**	10 In.	3-Pack
BK **102-40BX**	17 In.	2-Pack

TOOL STORAGE

Work Bench

NAPA WORK BENCH

Heavy-duty steel workbench with rich powder-coated finish and solid wood work surface provides storage and organization. The integrated standard pegboard provides the ability to add hanging storage, offering quick access to tools or supplies.

- Easy and fast assembly
- 3-Outlet power strip with 2 USB ports
- Storage drawer with ball bearing slides 100 lbs. capacity
- Pegboard panel
- 55 in. H x 45 in. L x 24 in. D

BK **315-1417**

ORANGE LOCKING HOOKS

Designed to replace the zip tie, the super duty reusable locking hook secures and organizes hoses, cords, pipes and much more.

- 360° swivel
- Reusable sliding belt lock mechanism
- High tensile strength, weather resistant nylon 66
- Resistant to oil, salt, solvents and alkali
- 44 lbs. weight capacity
- Good for automotive, carpentry, electrical, plumbing, HVAC, maintenance, construction, trades, mining, gas and oil industries

BK **3540S**

Part No.	Description
BK **3540S**	Short. 11.8 in. Belt Length
BK **3540M**	Medium. 15.8 in. Belt Length
BK **3540L**	Large. 19.7 in. Belt Length

GRABBERS STORAGE HOOK

Patented Grabbers keep your gloves, ice traction, cooling towels, keys and whatever else always seems to mysteriously disappear close at hand. The versatile dual clip version can be used as one unit or detached and used as two separate pieces.

- Clip mounts to d-rings, clothing, etc
- Durable, ultra-resilient acetal copolymer
- Grabbers disconnect and can be used independently
- Breakaway feature
- Dielectric/non-conductive material
- Good for carpentry, electrician, contractors, general purpose, oil and gas, mining, trades, roofing, warehousing, maintenance, mechanics, HVAC and plumbing

BK **3400**

MAGNETIC-MOUNT GRABBER ANCHOR STORAGE HOOK

Patented Grabber Anchors station Squids® Grabbers to various surfaces on the job site allowing you to keep your gear where you need it. The magnet anchor attracts to ferromagnetic surfaces creating a secure hold.

- Detachable, usable with carabiners, d-rings, etc.
- Breakaway feature
- Dielectric, non-conducive material
- Encapsulated design houses magnet protecting it from the elements
- Smooth back plate provides a non-marring barrier against mounting surface
- Rubberized cap provides a friction ring around base to prevent it from sliding
- Good for automotive, carpentry, electrical, construction, general purpose, mining, trades, roofing, warehousing, maintenance, plumbing, HVAC, gas and oil applications

BK **3415**

Autel® 366-381
Bosch 382
CanDo 383-385
Carlyle Tools® 386-390
Continental 391
Drew Technologies 392-393
Evercraft™ 393
FCar 394-396
Hella® 396
Hickok 397-399
Innova® 399-403
IPA 403
Launch 404-408
Mastercool® 409
MityVac® 409
NAPA® Diagnostic Solutions 410-417
Noregon 418
OTC® 419-424
Pico® 425-427
Power Probe® 427-428
ProFlex+ 428-430
Redline 430-432
Steelman 432
Xtool 433-435

NAPA AUTOTECH SPECIAL ORDER KIT

- Capture All Data: ATS' unique circular buffer system does not drop data. No data gap will ever be present on our scopes; this means you will never lose data that occurs between samples on an intermittent fault or fail to capture the vehicle's faulty event.
- Ultra-Sharp Wave-forms: No need for filters that can mask data. ATS designs our scopes so the signal is accurate and clean.

Contents:

BKN **ATSEMI1030**:
- Quickly identifies camshaft timing problems through the spark plug hole
- Quickly identifies misfiring cylinders from the exhaust tail pipe
- Checks cranking, intake and exhaust pressure pulsation confirming mechanical condition of engine quickly.

BKN **ATSESN3000**:
- Automated MAF Testing for operational verification at all Load and RPMs
- Fuel Trim Analytics – Plot Fuel Trim in Load/RPM Matrix
- Volumetric Efficiency Calculation diagnose engine mechanical and pumping problems

BKN **ATSLDT3000**:
- The only system that quickly and precisely locates leaks of all sizes, large to very small!
- The only system that directly controls ALL vent & purge valve solenoids at the push of a button.
- Finds leaks in EVAP systems, A/C systems, engine cooling systems, head gaskets, tires and wheels, air ride suspensions, air brakes, and much more...

BKN **ATSLIT1000**:
- Back Probe allows you to see the electrical connection point in dimly lit areas.
- Self-powered circuit uses super bright light emitting diode (LED).

BKN **ATSESL3600**

ESCAN PRO OBD2 DRIVEABILITY DIAGNOSTIC TOOL W/ POWER SCAN

- Reading freeze frame data, reading and plotting monitors, reading O2 sensor data and resetting DTCs
- Digital and slide bar readouts, power graphing, reading and decoding Model6 data,
- Turns your laptop computer into a diagnostic powerhouse
- Analyzes fuel trim, volumetric and catalytic efficiency. Fast auto-connect, easy PID setup plus calculated PIDs
- Recording of data and screenshots, cursor measurements of charted or recorded data, reading and decoding of DTCs and pending codes.
- Quickly diagnose tough drivability problems. Features Sharpshooter diagnostic toolbox, an entire set of built-in assistants that search and interpret data
- WXGA (1280 x 768) screen resolution, 1 Ghz processor, 256 mb ram, 500 mb hard drive, USB 2.0 port
- OBD2 Capable

BKN **ATSESN2000**

ESCAN ELITE

Quickly diagnose tough drivability problems including MAF sensors, catalytic efficiency, fuel control and much more.
- Interfaces to PC via USB port or wireless Bluetooth
- Automated MAF testing for operational verification at all load and RPMs
- Plot fuel trim in load/RPM matrix. Know exactly where fuel trim deviates from spec.
- Catalytic converter fast accurate diagnosis
- Catalysis efficiency test will now use wide band oxygen sensors for catalytic testing
- Volumetric efficiency calculation diagnoses engine mechanical and pumping problems
- Relative cranking compression test
- Accelerometer braking test 30-0 MPH
- Accelerometer power test 0-60 MPH
- Very small VCI that plugs directly into OBDII port with no cables needed in
- Unlimited data recording with zoom and playback

BKN **ATSESN3000**

IGAS INTELLIGENT 5-GAS ANALYZER

The iGA5 intelligent gas analyzer spots common problems. With update rates from probe to screen display as fast as 5 seconds. Locates fuel control problems, misfires, leaking head gaskets, no starts, hard starts, and EVAP system leaks.

- Ready to run test solution, with all necessary cables, probes, connectors, hoses, and power supply
- Meets or exceeds OIML Class 1 gas standards
- Meets BAR-97
- Certified to BAR-90
- Measures HC, CO, CO2, O2, and NOx
- Made of the finest materials, designed to provide many years of trouble-free service
- Use alone or link to both EScan Pro and EScope Pro or EScope limited
- Certified under AirCare program of BC, Canada

Contents: (1) Gas analyzer, tach pickup, battery power cord, cigarette lighter power cord, serial cable, power supply, SUB cable and extra filter element

BKN **ATSEMS1000**

ESCOPE PRO AND RUGGEDIZED COMPUTER

- Scope 8 circuits at the same time on 2 separate time bases. View fast timing signals and slow O2 signals on the same screen at the same time
- Includes EScope Pro, ruggedized notebook PC and all the accessories in the normal kit. Comes with a custom USB cable and mounting bracket set specially configured for the ruggedized notebook PC
- EScope Pro is a powerful 16 bit PC based 8-channel, adjustable dual time base oscilloscope with complete accessory kit
- Supplies power to and read up to four pressure transducers simultaneously
- Allows bi-directional control of electrical devices through the wiring, feedback equation (virtual replacement of electronic sensors), and more

Contents: EScope Pro unit, accessories, cables, power cables, mounting bracket and Notebook PC

BKN **ATSESO1001**

IEA INTELLIGENT ENGINE ANALYZER WITH SCOPE

- Converts pressure transducer voltage to actual pressure or vacuum readings
- Quickly identifies misfiring cylinders from the exhaust pipe
- Misfire cylinder identification and counts
- Finds problem cylinders and identifies them quickly
- Quickly identifies camshaft timing problems through spark plug hole
- Checks restricted exhaust and ignition timing
- Includes 4-channel EScope limited and accessories
- Alerts you to a bank misfire, random misfire, or individual
- Checks cranking, intake and exhaust pressure pulsation confirming mechanical condition of engine

Contents: EScope Limited, accessories, adapters, sensors, triggers, amplifiers, filters, software and fuses

BKN **ATSEMI1000**

IEA INTELLIGENT ENGINE ANALYZER WITHOUT SCOPE

- Converts pressure transducer voltage to actual pressure or vacuum readings
- Quickly identifies misfiring cylinders from the exhaust pipe
- Misfire cylinder identification and counts
- Finds problem cylinders and identifies them quickly
- Quickly identifies camshaft timing problems through spark plug hole
- Checks restricted exhaust and ignition timing
- Alerts you to a bank misfire, random misfire, or individual
- Checks cranking, intake and exhaust pressure pulsation to confirm mechanical condition of engine

Contents: Adapters, sensors, triggers, amplifiers, filters and software

BKN **ATSEMI1030**

BULLSEYE LEAK DETECTOR PRO KIT

- Only system that directly controls all vent and purge valve solenoids at the push of a button
- Kit includes all the essentials for finding EVAP, tire, and head gasket leaks. Includes time saving Smart Control
- The revolutionary Bullseye leak detector finds leaks in all sealed systems in 3 easy steps using CO2, leak detector, and leak seeking foam
- Only system that quickly and precisely locates leaks of all size, even down to .001"
- Determines if the vehicle has a leak and then indicates the size of the leak
- Applications: EVAP, A/C system, cooling systems, head gaskets, tires, wheels, air ride suspension and air brakes

Contents: CO2 sensor, foam, CO2 cylinders, wash water, regulator, glasses, plugs, hoses, EVAP tap, adapters, fuses, leads, probes and smart control

BKN **ATSLDT1000**

BULLSEYE LEAK DETECTOR PRO KIT

The only system that quickly and precisely locates leaks of all sizes, large to very small. The Bullseye Leak Detector finds leaks in EVAP systems, A/C systems, engine cooling systems, head gaskets, tires and wheels, air ride suspensions, air brakes and much more. It's also the only system that directly controls all vent and purge valve solenoids at the push of a button.

- Finds the area of the leak
- The BULLSEYE Leak Seeker Foam changes color to pinpoint the leak

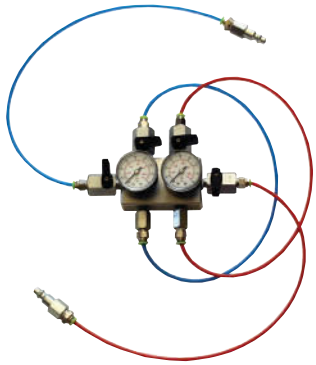
BKN **ATSLDT3000**

3C INTELLIGENT INDUCTION CLEANER™

Removes heavy carbon deposits from the unique carbon types that occur within the gasoline-based internal combustion engine. The 3C gasoline engine cleaning system is specifically designed for the ATS gasoline chemicals. The 3C microprocessor is programmed with a run profile that commands the 3C chemical to be delivered into the gasoline-based induction system where it can best reach all carbon sites within the engine. This allows for superior carbon removal from Gasoline Port Injection (GPI), Gasoline Direct Injection (GDI), E85, and CNG engines. The 3C system quickly attaches to an induction port on the engine. The 3C microprocessor then delivers a customized measured amount of carbon removing chemical in timed intervals into the induction system thus removing heavy carbon deposits from the induction system and combustion chambers. The 3C Intelligent Induction Cleaner™ is used to prevent carbon deposit build-up in the gasoline-based engine. All GDI engines accumulate induction carbon deposits rapidly so the engine should be cleaned every 30,000 miles as routine maintenance to keep these deposits from creating performance issues with the engine. Patent Pending.

BKN **ATSDSI1000**

BULLSEYE AIR RIDE SUSPENSION TEST KIT



For Voss Systems

- Allows you to charge the Voss air ride suspension system with CO2 and use your Bullseye leak detector (sold separately) to pinpoint the leak

BKN **ATSLDT1370**

BULLSEYE LEAK SEEKER FOAM

Bullseye Oneshot Leak Seeker Foam allows for leak sites to be accurately located and is to be with the the Bullseye Leak Detector (*BKN* **ATSLDT3000**).

- Easy and safe to use
- Foam will adhere to all surfaces
- Foam changes color from pink to red at the exact leak site location
- 35 ml

BKN **ATSLDT2500**

ATS AUTOMOTIVE Test Solutions

BULLSEYE LEAK SEEKER FOAM

- Pink color foam turns light and yellows when exposed to pressurized CO2
- Replacement leak detection foam for the Bullseye leak detector kits
- Sprays onto leak site and changes color to indicate exact location of leak

Item No.	Description
BK **ATSLDT1340**	1 Can
BK **ATSLDT1345**	6 Pack

3C TRI-CHEMICAL DELIVERY™

Our 3C gasoline chemicals are designed specifically for gasoline-based engines. Additionally, these chemicals are safe for exhaust system components such as O2 sensors, catalytic converters, turbochargers, etc. All of our chemicals have a low HMIS health rating of (2), thus proving ATS Chemical's concerns and commitment to our customer's health. Furthermore, none of these chemicals are currently on the California Proposition 65 regulations. ATS Chemical has discovered over 30 new chemicals (patent pending) that have never been used in the automotive induction carbon removing industry, which makes our chemical mixtures totally unique.

BKN **ATSDSI1020**

505CRF™ FUEL POUR-IN

An advanced pour-in fuel treatment that enhances gasoline to remove carbon deposits from the internal combustion engine and engine components. This chemical mixture is proven to remove carbon from: fuel injectors, induction ports, induction vales, and combustion chambers. Carbon deposits on the injectors can cause drivability problems and poor fuel mileage. This advanced formula can clean coking from the port style injector and the direct style injector, increasing engine performance and fuel economy. Patent Pending.

BKN **ATSDSI1030**

505CRO™ OIL POUR-IN

An advanced pour-in oil treatment that breaks down carbon deposits and sludge from lubricated engine components. Sludge and carbon deposits in the motor oil can cause serious engine problems. 505CRO cleans carbon deposits from the engine and reduces problems with: sticking piston rings, sticking lifters, sticking camshaft phasers, sticking oil control valves, sticking timing chain tensioners, restricted oil screens (e.g. oil pump pick up). ATS 505CRO increases engine performance with reducing engine oil consumption all within a 5-15 minute cleaning. Patent Pending.

BKN **ATSDSI1040**

ESCOPE PRO ELECTRONIC 8 CHANNEL LAB SCOPE

- Scope 8 circuits at the same time on 2 separate time bases. View fast timing signals and slow O2 signals on the same screen at the same time
- EScope Pro is a powerful 16 bit PC based 8-channel, adjustable dual time base oscilloscope with complete accessory kit
- Supplies power to and read up to four pressure transducers simultaneously
- Allows bi-directional control of electrical devices through the wiring, feedback equation (virtual replacement of electronic sensors), and more

Contents: EScope Pro unit, accessories, cables and power cables

BKN **ATSESO1000**

eTRAINER JR. INTELLIGENT AUTOMOTIVE TRAINER

The eTRAINER Jr. is an advanced electronic training device that allows testing to be done with multimeters, graphing multimeters and oscilloscopes. This device will train technicians on basic electricity as well as advanced electronic control systems.

- Comes with a storage box, power supply, Fault Blocks™ Box and a full training course
- Incorporates a lamp circuit, motor relay circuit and a full engine simulator capable of hundreds of faults
- The faults can be installed or removed with a flip of a switch from the advanced Fault Blocks™ system
- Case and instruction manual included

BKN **ATSETR3000**

IC INSPECTION CAMERA

The iC Inspection Camera is a medical grade video camera that delivers superior images on your computer or tablet display.

- Snap shots can be taken from recorded video
- One handed articulation function allows user to turn the probe tip to inspect targets located at sides or at an angle while inside tight spaces
- Extra-long 3' probe
- 6.0 mm probe with 120° sweep, and 360° rotation
- Zoom feature allows 4X crystal clear image enlargement
- Shoots high resolution still pictures and records full length videos at the touch of a button

Contents: (1) Inspection camera w/ probe and cable, thread on mirror, software USB drive, cleaning kit and case

BKN **ATSBOR1000**

AUTEL®

DIAGNOSTIC SCAN TOOL, SMARTPHONE DONGLE

The MaxiAP turns your iOS or Android device into a code reader and includes a Bluetooth OBDII connector and a free app to scan the vehicle's powertrain to monitor its performance. It's the perfect do-it-yourself tool for customers looking for quick and easy OBDII diagnostics.

- Read and clear stored, permanent or pending codes
- View the results of on-board monitor test
- Display the VIN, CVN and other information of the test vehicle
- Check the status of the MIL and other additional information
- Generate repair reports for test vehicle
- Graph and store system live data
- Read and clear enhanced codes for GM, Ford and Chrysler
- Snapshot of the critical parameter values when the DTC is set
- Retrieve and view O2 sensor monitor test results

ATD **AP100**

MAXIAPP AP200 ADVANCED SMARTPHONE VEHICLE DIAGNOSTIC APP

The MaxiApp AP200 is an advanced all systems scan tool for your smartphone or tablet. Download the free Apple or Android APP and pair with included wireless OBD2 dongle to read and clear codes on all available vehicle modules for one manufacturer line. Advanced features include AutoVIN and AutoSCAN and service functions including oil and service light resets, battery replacement registrations and throttle position learn.

- Advanced scan tool for your smartphone (iOS & Android)
- All system Auto-SCAN/Auto-VIN 2006+
- Read MIL status/read and erase engine DTCs
- (15) Service functions: OLS/Throttle Match/EPB/ABS Bleed/DPF Regen
- All makes and all models (1 make included with purchase)

ATD **AP200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISYS MS906TS DIAGNOSTIC TABLET SYSTEM

The MaxiSys tablet efficiently provides comprehensive vehicle diagnostics and analysis along with universal TPMS solutions.

- Internal reliable 32GB SSD for better performance
- Built-in 8-megapixel rear camera with autofocus and flashlight
- Unique ergonomic design with rubberized outer protection and a rugged internal housing
- Built-in rechargeable lithium-polymer battery for up to 14 hours of continuous operation
- Complete capabilities for codes, live data, active test, ECU information, adaptation, matching, coding, etc.
- Smart AutoVIN technology for identifying vehicles easily
- Easy and intuitive navigation makes finding what you need simple and fast
- The most extensive complete system coverage for more than 80 US, Asian and European makes and models
- 8 in. LCD screen display
- 14 to 131° F working temperature range

Contents: MaxiSys Tablet, Proprietary Connectors and Charging Cable

BKN **AUTMS906TS**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISYS MS906 DIAGNOSTIC SYSTEM

- One-stop multitasking design for ideal management of workshop operations to keep all data files, customer info, and vehicle records well organized
- MaxiSys MS906 is based on the Android operating system and is featured with an extensive coverage of OE level diagnostics at an affordable price
- Built with Exynos 5260 6-core processor (1.3 GHz quad-core Cortex-A7 & 1.7 GHz dual-core ARM Cortex-A15), 2 GB RAM, 32 GB SSD hard drive and an 8" capacitive HD touch screen.
- 8" 1024 x 768 LED backlit glossy multi-touch capacitive display with IPS technology
- Efficiently provides comprehensive vehicle diagnostics and analysis
- Unique ergonomic design with rubberized outer protection and a rugged internal housing
- 802.11 b/g/n Wi-Fi to access your favorite web resources
- Smart AutoVIN technology for identifying vehicles easily
- Complete capabilities for codes, live data, active test, ECU information, adaptation, matching, etc.
- Built-in rechargeable lithium-ion battery for up to 6 hours of continuous operation
- Built-in 8 megapixel rear camera with autofocus and flashlight
- Extremely easy to use with integrated vehicle communication interface

Contents: Tool, user's manual, light fuse, adapters, cigarette lighter, carrying case, reference guide, CD, main cable, power adapter and soft cloth.

BKN **AUTMS906BT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISYS PRO VEHICLE DIAGNOSTICS

The MaxiSys diagnostic platform is an evolutionary smart solution for specialized automotive diagnosis. It organizes information with test instrumentation to help you diagnose symptoms, codes and customer complaints easily, quickly and efficiently.

- Extraordinarily powerful Cortex A7 + A15 six-core processor
- 1024x768 resolution LED-backlit glossy multi-touch capacity display with IPS technology
- Internal reliable 64GB on-board memory for better performance
- Built-in 8-megapixel rear camera with autofocus and flashlight
- The VCI connects to the main unit wirelessly with up to 70 meters working range
- 802.11 a/b/g/n/ac Wi-Fi to access your favorite web resources
- Unique ergonomic design with rubberized outer protection and a rugged internal housing
- Open source Android operating system for fast boot-up and multi-tasking
- Extensive vehicle coverage for more than 80 US, Asian and European vehicle makes
- Exceptional OE-level system coverage for all electronic systems
- Cloud-based data manager saves customer and vehicle records, scanner data and technician notes

Contents: MaxiSys Tablet, (14) Adapters, (6) Cables, Lighter Fuse & Cigarette Lighter

BKN **AUTMS908SP**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTEL®

MAXISYS MS908 AUTOMOTIVE DIAGNOSTIC AND INFORMATION SYSTEM WITH VCI

Built to offer extreme ease of use and powerful diagnostic performance. Major upgrade has been the addition of an ultra-powerful A9 quad-core processor that delivers a 50% increase in speed versus competing products. Crystal clear 9.7" LED screen with a high-resolution capacitive screen. Industry standard's first
multi-tasking Android Operating System and comprehensive OE level vehicle coverage that Autel has become known for. The perfect diagnostic solution for shops and technicians who demand unrivalled smart technology and repairs. Comes with a wireless vehicle communication interface (VCI), all necessary adapters for 1996 and newer vehicles. Includes software for Domestic, Asian and European vehicles, and cables needed to get the job done, as well as a year of updates and case.

BKN **AUTMS908S**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISYS MS908CV COMMERCIAL VEHICLE DIAGNOSTICS

Read/clear codes, view/graph live data, perform guided maintenance services, complete special functions and
diagnose manufacturer specific systems:

- DPF regeneration
- MAF sensor calibration
- DSI system de-activation
- Boost calibration
- Parameter setting
- After-treatment filter installation
- SCR catalyst cold soak override
- System health monitor
- DOC/DPF replacement reset
- Timing calibration
- Injector CEOM reset
- O2 sensor calibration

SAE J1939, SAE J1708, KWP, VPW, UDS-CAN, CDL. Built on the MaxiSYS, Android-based, perform enhanced system diagnostics on more than 60 commercial vehicle brands.

BKN **AUTMS908CV**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISYS ELITE AUTOMOTIVE DIAGNOSTIC AND INFORMATION SYSTEM

- One-stop multitasking designed for ideal management of workshop operations to keep all data files, customer info, and vehicle records well organized.
- Automatic system and software updates with real-time push message notifications via internet. Instant remote control tech support anytime, anywhere.
- 2x faster that any comparable device, and provides extended battery life and intelligent powersaving. Super sensitive capacitive screen able to respond to gloved, moistened, and greasy fingers. Angled docking provides optimum visibility.
- The most extensive complete system coverage for more than 80 US domestic, Asian and European makes and models.
- Interactive Data Logging sessions enable direct contact with Autel Support for first-hand troubleshooting of diagnostic bugs and errors.
- Unique ergonomic design with rubberized outer protection and a rugged internal housing
- Uniquely integrated vehicle programming capabilities working with a SAE J2534-1 & -2 compliant vehicle programming pass-thru interface.
- MaxiSys Elite smart diagnostic tool, is based on Android operating system. Powered by NVIDIA's Tegra 4 processor chip, and has a 9.7" Retina display with resolutions up to 2048x1536.
- OBD2 Capable

Contents: (1) Tool, Fuse, CD, Screwdriver, USB & Mini USB Cable, Power Adaptor, Cigarette Lighter, Clipper Cable, Data Cable

BKN **AUTMSELITE**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISYS ULTRA DIAGNOSTIC TABLET WITH ADVANCED VCMI

The MaxiSYS Ultra is Autel's most ambitious diagnostics tablet to date, featuring a 12.9-inch touchscreen Android-based tablet powered by an Octa-core processor (2.3GHz Quad + 1.7GHz Quad), a substantial 256GB built-in memory and features the MaxiFlash VCMI, a 5-in-1 communication and testing tool providing wireless vehicle communications between the vehicles and tablet and supporting the latest DoIP, D-PDU and Mega CAN vehicle communication protocols. THE VCMI also functions as a 4-channel oscilloscope, waveform generator, multimeter and Can BUS tester. The Ultra offers the most advanced approach to vehicle diagnostics with its dynamic topology module mapping for supported vehicles combined with its intelligent diagnostics feature that guides the technician from code to repair to test with detailed repair information and illustrations, the Oscilloscope preset guides and tests and waveform library. The Ultra features a rechargeable Lithium battery providing 8 hours of continuous use, a convenient docking station and from and rear cameras.

- Split screen display to view multiple functions at once
- Includes advanced VCMI converged VCI and Oscilloscope
- Includes connector kit and 1 year warranty/software subscription
- Repair Assist: guided procedures with DTC analysis and fault code solutions
- Topology Mapping: all system module status screen (on equipped vehicles)
- Relevant Cases: troubleshooting with Real Fix References / repair tips video library
- Tests check engine codes, ABS codes, Oxygen (O2) Monitor Tests and Transmissions

ADT **MSULTRA**

INDEX

MAXISYS DIAGNOSTIC TABLET WITH ADVANCED VCMI

The MaxiSYS *ATD* **MS919** is a 9.7 inch touchscreen Android-based advanced diagnostic tablet powered by an Octa-core processor (2.3GHz Quad + 1.7GHz Quad), 128GB memory and features the MaxiFlash VCMI, a 5-in-1 communication and testing tool providing wireless vehicle communications between the vehicle and tablet and supporting the latest DoIP, D-PDU and Mega CAN vehicle communication protocols. The VCMI also functions as a 4-channel oscilloscope, waveform generator, multimeter and CanBUS tester. The *ATD* **MS919** features dynamic topology module mapping for supported vehicles and its intelligent Diagnostics feature that guides the technician from code to repair to test with detail repair information and illustrations, and Oscilloscope preset guides and tests and waveform library. This *ATD* **MS919** features a rechargeable Lithium battery provides 8 hours of continuous use, a convenient docking station and front and rear cameras.

- ScanVIN: Barcode or text recognition with camera
- Relevant Cases: DTV troubleshooting / repair tips
- Oscilloscope preset guided and component tests / waveform library
- Repair Assist: Guided procedures with DTC analysis and fault code solutions
- Secure Gateway Access: Authorized FCA SGM access with AutoAuth Account
- Code-Related technical service bulletins (on select vehicles) / License plate reader
- Topology Module Mapping: Color coded all system status screen (on supported vehicles)
- Includes cables, scope connectors, carrying case, 1 year warranty and software subscription
- Tests ABS codes, check engine codes, oxygen (O2) monitor tests, transmissions

ATD **MS919**

MAXISYS DIAGNOSTIC TABLET WITH MAXIFLASH VCI

The MaxiSYS *BKN* **AUTMS909** is a 9.7 inch touchscreen Android-based advanced diagnostic tablet powered by an Octa-core processor (2.3GHz Quad + 1.7GHz Quad), 128GB memory and features an advanced VCI supporting latest DoIP, D-PDU and Mega CAN vehicle communication protocols. The
ATD **MS909** features topology module mapping capability for supported vehicles and its intelligent Diagnostics feature that guides the technician from code to repair to test with detailed repair information and illustrations, and Oscilloscope preset guides and tests and waveform library. The *ATD* **MS909** features a rechargeable Lithium battery providing 8 hours of continuous use, a convenient docking station and front and rear cameras.

- 16MP rear camera and 5MP front camera
- ScanVIN: Barcode or text recognition with camera
- Relevant Cases: DTC troubleshooting / repair tips
- Enhanced Diagnostic Reports: PreSCAN and PostSCAN
- Repair Assist: Guided procedures with DTC analysis and fault code solutions
- Secure Gateway Access: Authorized FCA SGM access with AutoAuth account
- Code-related technical service bulletins (on select vehicles) / license plate reader
- Topology Module Mapping: color coded all system status screen (on supported vehicles)
- Includes cables, scope connectors, carrying case, 1 year warranty and software subscription
- Tests ABS codes, Check engine codes, Oxygen (O2) monitor tests, Transmissions

ATD **MS909**

MAXISYS OSCILLOSCOPE ACCESSORY KIT

The *ATD* **MSOAK**, compatible with the MaxiFlash VCMI included with the *ATD* **MSULTRA** and *ATD* **MS919**, and the *BKN* **AUTMP408M** 4-channel oscilloscope (sold separately), includes the 65A AC/DC Current Clamp, 650A AC/DC Current Clamp, Coil On Plug Probe, HTExtension Lead (2 pcs.) and Battery Clip (2 pcs.), within a blow-molded carrying case. 1-Year warranty.

ATD **MSOAK**

MAXISYS NON-OBDII ADAPTER KIT

The *BKN* **AUTMSOBD2KIT**, compatible with the *BKN* **AUTMSULTRA**, *BKN* **AUTMS919** and *BKN* **AUTMS909**, includes OE-compliant adapters for specific vehicles produced between 1996 and 2002 without the standard OBD2 pin configuration. Connectors include Nissan-14, Mitsubishi/Hyundai 12+16, Kia-20, BMW-20, Benz-38, VW/Audi-2+2, Mazda-17, Chrysler-16, and Benz-14, within a blow-molded carrying case.

ATD **MSOBD2KIT**

AUTEL®

MAXIIM IM508 KEY PROGRAMMING TABLET

MaxiIM IM508 is a fast, easy-to-use and ultra-portable immobilizer and key programming device. The Android-based 7-inch LCD touchscreen tablet features powerful quad-core Cortex-A9 processor, intuitive design and straight-forward interface. Equipped with the XP200 key programmer, IM508 is capable of providing extraordinary service functions for the immobilizer system. Together with the ability to quickly diagnose all modules for the majority of makes and models on the market, IM508 provides you with superior special functions. It's the perfect solution for shops and technicians who demand affordable and powerful IMMO and diagnostic services.

- Android™ 4.4.4 Operating System
- Ambient light sensor for brightness auto changing
- Around 4.5 hours of continuous battery use
- 3.7 V/5000 mAh lithium-polymer battery, charges via 5 VDC power supply
- Internal reliable 32GB memory
- Smart Mode for guided and automated key learning
- Expert Mode for advanced key learning
- Read PIN/CS (all key lost), key generation, key learning, remote learning
- IMMO ECU reset/adaptation, refresh/coding
- Transponder read/write, EEPROM/MCU read/write
- Powerful OE level diagnostics for more than 80 US, Asian and European makes and models
- 32° to 122° F Operating temperature
- -4° to 140° F Storage temperature
- AUTIM5081YUD

ATD **IM508**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXIIM ADVANCED KEY PROGRAMMING KIT

BKN **AUTIM608PROK** is a comprehensive key and immobilizer programming package kit. Enables key learning directly through the OBD1 port for 85% of vehicles in North America. The tablet can read the immobilizer pins and password directly from the vehicle and store this information to use later when learning the newly programmed keys to vehicle. Plus there is also an advanced diagnostics tablet featuring autvin and autoscan technology to automatically identify the vehicle and perform an all systems scan. The advanced diagnostics functions of this kit includes the ability to perform active test, coding and adaptations.

- XP400Pro Key and Chip Programmer
- Includes IMKPA Key Programming Adapter Kit
- JVCI Wireless J2534 Pass Thru Programming Device
- Program IMMO and Keys for U.S., Asian and European vehicles

BKN **AUTIM608PROK**

MAXIIM IM608 KEY PROGRAMMING TABLET

MaxiIM IM608 is the most advanced and unique all-in-one key programming and diagnostic tool that combines advanced key programming, all system diagnostics and advanced services in one Android based 10.1-inch LED touchscreen tablet. It's equipped with XP400 key programmer and MaxiFlash ECU programmer to provide complete coverage of IMMO and programming functions. Together with the ability to quickly diagnose all modules for the majority of makes and models on the market, the IM608 provides you with all special functions. It is the unprecedented key programming and diagnostic tool that you ever wanted.

- Android™ 4.4.2, KitKat operating sytem
- 2GB RAM and 64GB on-board memory
- 8.0 megapixel, AF with flashlight camera
- Gravity accelerometer, ambient light sensors
- 12 V (9-24 V) input voltage
- 6.5 W power consumption
- Microphone, dual speakers, 3-band 3.5mm stereo/standard headset jack
- 15000 mAh 3.8 V lithium-polymer battery
- Samsung Exynos hexa-core processor (1.3GHz quad-core ARM cortex-A7 + 1.7GHz dual-core ARM cortex-A15)
- 802.11 A/b/g/n/ac Wi-Fi to access your favorite web resources
- Expert mode for advanced learning
- 32° to 122° F Operating temperature
- -4° to 140° F Storage temperature
- AUTIM6081YUD

BKN **AUTIM608**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXISCOPE OSCILLOSCOPE

The MaxiScope is a PC-based 4-channel automotive oscilloscope. It works in combination with your PC of MaxiSys Tablet, which turns into a powerful diagnostic tool, providing you an insight into the inner workings of a vehicle's electronic circuits. Featuring the user-friendly UI design combined with the unrivaled hardware specs, this system is able to measure and test virtually all the electrical and electronic components and circuits in any modern vehicle. Power for the MaxiScope module comes directly from the USB port of the connected PC, making the system very versatile and portable to use.

- Features one-click auto setup of voltage scale and time base
- Works on all makes and models of modern vehicles
- Compatible with LIN, CAN and FlexRay data bus standards
- Reads and displays electrical signals in high resolution waveforms
- Allows manual editing of measurement parameter display
- Saves and reviews waveform data
- Features color-coded 4-channel control panel
- Intuitive UI design features easy trigger point adjustment and real time scale info display
- Direct power supply through USB connection
- Free onlline software update through the internet
- Portable design with strong housing and protective rubber boot

Contents: MaxiScope, USB Cable, (2) Attenuators, (2) Small Crocodile Clips, (2) Multimeter Probes, (4) Test Leads, 2-Pin Breakout Lead, (2) Large Crocodile Clips, Acupuncture Probe Set, Blow-Molded Case

BKN **AUTMP408BMC**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

AUTEL®

MAXITPMS ITS600 TABLET

The MaxiITS600 is a wireless, touchscreen Android-based tablet that offers complete TPMS diagnostics and service functions. The tablet features a 5.5-inch color display and Bluetooth vehicle communication interface (VCI). Compatible with U.S., Asian and European TPMS-equipped vehicles, the *ATD* **ITS600** features an enhanced TPMS status screen, VINscan for rapid vehicle identification, four MS-Sensor programming options, OBDII relearn functionality and onscreen relearn instructions for all vehicles. The *ATD* **ITS600** can activate, read and relearn all known sensors, perform an all-vehicle systems diagnostics and perform four common maintenance services. Compatible with Autel's TBE200 Tire Tread & Brake Disc Wear Analysis Tool, sold separately. Includes one-year free TPMS software updates and a year limited warranty.

- Complete TPMS Service and Diagnostics Tablet
- Wireless Touchscreen Android-based Tablet Tool
- Activates, reads and relearns all known sensors
- Four MX-Sensor Program modes
- Batch program up to 20 MX-Sensors
- 5.5-inch Color Display
- Android 9.0 OS
- Includes wireless Bluetooth Vehicle Communication Interface (VCI)
- Enhanced, at-a-glance diagnostics status screen
- Rapid VIN Acquisition Via Optical VINscan function
- Program MX-Sensors to replace 99% of OE Sensors
- Read/Erase all system codes and perform OLS, BMS, SAS and EPB
- Case included

ATD **ITS600**

MAXITPMS TIRE TREAD DEPTH & BRAKE DISC WEAR EXAMINER

The MaxiTPMS *ATD* **AUTTBE200** is a laser-enabled tire tread depth and brake disc wear examiner that provides users with quick and accurate wear measurements. Measure brake disc wear without having to remove tires. The full color graphical display illustrates wear and displays replacement and service recommendations including tire and brake disc replacement and tire rotation and 4-wheel alignment. The *ATD* **AUTBE200**, which features a 1.65 in. AMOLED Super Retina touchscreen display, enables users to document tire wear and scan Tire Identification Number (TIN) via its 4-megapixel macro camera and 8-megapixel zoomable camera. Use tool separately, or with compatible Autel TPMS tablet to view and print detailed TPMS reports. Includes a one-year limited warranty.

- 3000 mAh lithium ion battery
- Scan Tire Identification Number (TIN)
- Laser-enabled
- No need to remove tire
- Full color graphical display illustrates wear
- 1.65 in. AMOLED Super Retina Touchscreen Display
- Work alone or with new MaxiTPMS ITS600 Tablet
- Compatible with passenger, commercial and off-road vehicles
- 4-megapixel, 4 vm Macro camera and 8-megapixel zoomable camera to document tire damage
- Displays recommendations for tire and brake disc replacement, 4-wheel alignment and tire rotation
- Case included

ATD **TBE200**

MAXITPMS ITS600 KIT WITH TABLET AND 1-SENSORS

The MaxiTPMS ITS600K8 Kit includes the ITS600 Tablet and eight 1-Sensors. The Maxil TS600 is a wireless, touchscreen Android-based tablet that offers complete TPMS diagnostics and service functions. The tablet features a 5.5 inch color display and Bluetooth vehicle communication interface (VCI). Compatible with U.S., Asian and European TPMS-equipped vehicles, the ITS600 features an enhanced TPMS status screen, VINscan for rapid vehicle identification, four MX-Sensor programming options, OBDII relearn functionality and onscreen relearn instructions for all vehicles. The ITS600 can activate, read and relearn all known sensors, perform an all-vehicle systems diagnostics and perform four common maintenance services. The ITS600 is compatible with Autel's TBE200 Tire Tread and Brake Wear Analysis tool, sold separately. The ITS600 includes one-year free TPMS software updates and a year limited warranty.

- Includes ITS600 TPMS Service and Diagnostic Tablet with eight 1-Sensors
- Wireless, touchscreen Android-based Tablet tool
- Activates, Reads and Relearns all know sensors
- Four MX-Sensor Program modes
- Batch program up to 20 MX-Sensors
- 5.5 inch color display
- Android 9.0 OS
- Includes wireless Bluetooth Vehicle Communication Interface (VCI)
- Enhanced, at-a-glance Diagnostics Status Screen
- Rapid VIN Acquisition via Optical VINscan function
- Program MX-Sensors to replace 99% of O.E. Sensors
- Read/Erase all system codes and perform OLS, BMS, SAS and EPB
- Case included

ATD **700130** (8) 1 Sensors
ATD **700140** (20) 1 Sensors

MAXITPMS TIRE TREAD DEPTH & BRAKE DISC WEAR EXAMINER

The MaxiTPMS *BKN* **AUTTBE100** is a laser-enabled tire tread depth & brake disc wear examiner that provides users with quick and accurate wear measurements. Measure brake disc wear without having to remove tires. The *BKN* **AUTTBE100**, which features a 0.95" AMOLED touchscreen display, features 4-megapixel, 4 cm macro camera. Use alone or with ITS600 Intelligent Tire Service tablet to produce detailed reports. This lightweight tool features a rechargeable 1300 mAh Lithium-Ion Battery. Includes a one-year limited warranty.

- 1300mAh lithium-ion battery
- Precise wear data displayed on screen
- Features 4-megapixel, 4 cm Macro Camera
- .95 in. AMOLED Super Retina Touchscreen Display
- Work alone or with new MaxiTPMS ITS600 Tablet
- Compatible with Passenger, Commercial and Off-Road vehicles

BKN **AUTTBE100**

AUTEL®

MAXISYS IA800 INTELLIGENT ADAS CALIBRATION TOOL

The MaxiSYS *BKN* **AUTIA800** Intelligent ADAS Calibration Tool enables frame placement in as little as 1 minute to make you ADAS calibrations faster, more accurate, and endlessly repeatable. The professional Optical Positioning System for the Autel Standard Calibration Frame includes 6 high-resolution cameras, wheel clamps and targets.

- One-year limited warranty
- Fast, accurate and infinitely repeatable
- Do away with mechanical measurements
- Check alignment tolerances prior to calibration
- Ideal for collision repair, glass replacement and repair shops
- Significantly reduce setup time and increase positioning accuracy
- Complete ADAS calibration frame positioning in as little as 1 minute
- Includes 6 hi-re cameras, wheel clamps, targets and power supply
- Intelligent optical positioning system for Autel Standard Calibration Frame
- Software and instruction manual included

ATD **IA800**

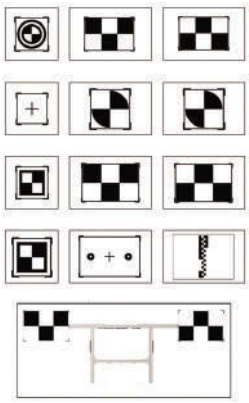
MAXISYS ADAS CALIBRATION SYSTEM

Autel's MA600 Portable ADAS Calibration system includes a collapsible aluminum calibration frame, 2-line and 5-line centering and aligning lasers, laser-assisted reflectors and Lane Departure Warning (LDW) calibration target set for the calibration of vehicle camera systems. The MA600 is compatible with the MaxiSYS ADAS tablet, or the MaxiSYS MS906BT or higher tablet series when upgraded with ADAS software (purchased separately).

- Portable ADAS Calibration System
- Perform Vehicle LDW Camera Calibrations
- Collapsible Aluminum Calibration Frame with Travel Case
- Includes 2-Line Centering and 5-Line Alignment Lasers
- Includes LDW Targets for Numerous Vehicle Manufacturers

ATD **MA600**

CARBURETOR CALIBRATION KIT



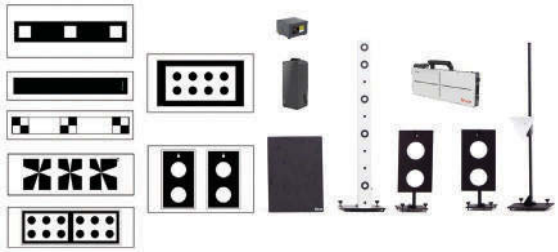
Calibration package includes lane departure warning calibration targets for Honda, Nissan, Infiniti, Toyota, Lexus, Hyundai and Kia cameras. Target holder that inserts into Autel's calibration frame is also included.

- Compatible with the Autel ADAS calibration frame (not included)
- 1-Year warranty

Contains: Target Holder and LDW Targets

BKN **AUTLDWTARGT1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



CARBURETOR CALIBRATION KIT

Calibration package for camera, radar and night vision-based systems. Included are rear collision warning patterns for Nissan, Volkswagen and Mercedes RCW cameras as well as around view monitoring patterns for Cadillac, Honda and Volkswagen.

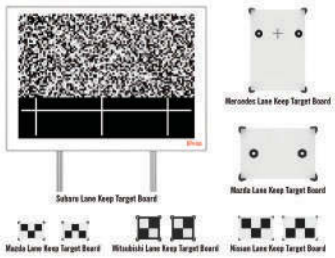
- Compatible with Autel ADAS calibration frame (not included)
- 1-Year warranty

Contains: Center Axis Laser, Radar Calibration Plate, Box & Corner Reflector with Stand, Night Vision Calibrator & Box, AVM & RCW Patterns

ADT **ADASCAL1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARBURETOR CALIBRATION KIT


Mercedes Lane Keep Target Board
Mazda Lane Keep Target Board
Subaru Lane Keep Target Board
Mazda Lane Keep Target Board
Mitsubishi Lane Keep Target Board
Nissan Lane Keep Target Board

Calibration package contains lane departure warning calibration targets for Nissan, Mazda, Mercedes-Benz, Mitsubishi and Subaru. The targets in this package are compatible with the Autel ADAS System and include a 1-year warranty.

- Package expands LDW calibration capabilities
- Update your MaxiSYS ADAS tool to use these calibrations
- Compatible with the Autel ADA System (target holder and calibration frame sold separately)

BKN **AUTLDWTARGT2**

ADAS VW AROUND VIEW MONITORING CALIBRATION PATTERN

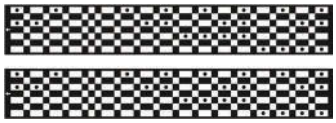
Calibrate AVM camera systems on equipped Volkswagen vehicles. The two-piece pattern is compatible with Autel's ADAS system (tablet, software and calibration frame sold separately).

- Heavy-duty vinyl patterns designed for repeated use
- Requires Autel MaxiSys ADAS tablet or MS908 series tablet with ADAS application upgrade
- Two-piece VW AVM pattern enables technicians to calibrate AVM camera system on equipped Volkswagen vehicles

ATD **CSC1004-01**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTEL



ADAS FORD AROUND VIEW MONITORING CALIBRATION PATTERN

Calibrate AVM camera systems on equipped Ford vehicles. The two-piece pattern is compatible with Autel's ADAS system (tablet, software and calibration frame sold separately).

- Heavy-duty vinyl patterns designed for repeated use
- Requires Autel MaxiSys ADAS Tablet or MS908 series tablet with ADAS application upgrade
- Two-piece Ford AVM pattern enables technicians to calibrate AVM camera system on equipped Ford vehicles

ATD **CSC1004-05**

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PORSCHE AROUND VIEW MONITORING CALIBRATION PATTERN

Calibrate AVM camera systems on equipped Porsche vehicles. This oversized pattern is compatible with Autel's ADAS system (tablet, software and calibration frame sold separately).

- Heavy-duty vinyl patterns designed for repeated use
- Requires Autel MaxiSys ADAS Tablet or MS908 series tablet with ADAS application upgrade
- Oversized AVM pattern enables technicians to calibrate AVM camera system on equipped Porsche vehicles

ATD **CSC1004-07**

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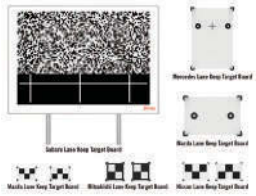


CARBURETOR CALIBRATION KIT

Calibration package contains lane departure warning calibration targets for Nissan, Mazda, Mercedes-Benz, Mitsubishi and Subaru. The targets in this package are compatible with the Autel ADAS System and include a 1-year warranty.

- Package expands LDW calibration capabilities
- Update your MaxiSYS ADAS tool to use these calibrations
- Compatible with the Autel ADA System (target holder and calibration frame sold separately)

BKN **AUTLDWTARGT2**

ADAS ACCESSORY KIT FOR AUTEL STANDARD ADAS CALIBRATION FRAME

ADAS Accessory kit for Autel Standard ADAS Calibration Frame includes five and two line lasers, plumb bob, laser reflector, laser assist mirror, L-shaped bracket and carrying kit. This kit tools when used in conjunction with Autel's Standard ADAS Calibration Frame enables the technician to perform ADAS calibrations easier, quicker and with more precision. Systems calibrated with these tools include Blind Spot Monitoring, Adaptive Cruise Control, Around Viewing Monitoring and some Lane Departure Monitoring calibrations.

- Enable positioning of frame from vehicle
- Enable quicker identification of vehicle center line
- Accessory kit provides quicker, easier and more precise calibrations
- Enable quicker identification of true 90° position from venter for BSM calibration
- Case and instruction manual included

BKN **ADASACCESSOR**

AUTEL

ADAS ADVANCED SCAN TOOL PACKAGE

The ADAS Advanced Package includes all elements from the ADAS Complete Package, ADAS LDW Target 2 Package and the MSADAS Tablet Advanced Diagnostic Tablet with ADAS Calibration Application. This includes the calibration frame, LDW patterns/targets and holder, AVM/RCW patterns, center axis laser, BSD radar calibration kit and NV calibration kit. With the LDW Target 2 Package expands the lane departure warning capabilities with targets/patterns for Nissan, Mazda, Mercedes Benz, Mitsubishi and Subaru. The ADAS Advanced Package is rounded out with the MSADAS Tablet, a 10-inch Android-based touchscreen tablet with J2534 wireless VCI, featuring a fast 1.3GHz plus 1.7 GHz processor with 64 gigabyte on-board memory.

- Includes 2 wheel clamps with lasers
- ADAS calibration and diagnostic Android tablet
- Includes calibration frame and target board holder
- Performs calibrations for vehicles with camera, radar and NV ADAS systems

BKN **AUTADASADVAN**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTEL®

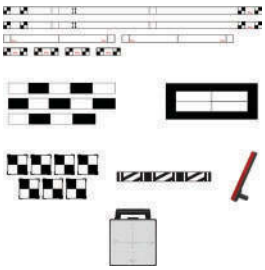
CALIBRATION FRAME HEIGHT BOOSTER

Height Booster for use with Autel standard Calibration Frame. Booster adds 35cm of height to the target. Compatible with Pattern and Target Board Holders. Enables standard Calibration Frame to be used with larger range of alignment racks. Includes one-year limited warranty.

- Height Booster for use with standard Calibration Frame
- Adds 35 cm of height to the target
- Enables use of standard frame with larger range of alignment racks
- Can be used with Pattern Board Holder and Target Board Holder
- One-year limited warranty

BKN **AUTHEIGHTBOO**

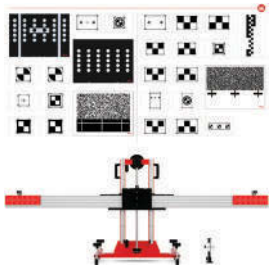
ADAS CALIBRATION 4 EXPANSION PACK



- Compatible with Autel Standard Calibration Frame
- Expansion Pack for RCW, AVM, LIDAR and NV System Calibrations
- AVM Targets for 2018+ Hyundai/Kia vehicles equipped with AVM
- AVM Targets for select 2018+ Nissan/Infiniti vehicles equipped with AVM
- Toyota Lidar Reflector for vehicles 2010-2015 Toyota vehicles equipped with LIDAR
- VW LIDAR Plate adds coverage for VW/Audi Lidar Systems found on 2018+ vehicles
- Benz RCW Pattern expands the coverage of the Benz RCW to include older 2012-2016 models
- Lexus Night Vision covers vehicle gap of 2003-2007 Lexus vehicles equipped with NV
- VW ADR Radar Plate covers vehicle gap of 2003-2010 VW/Bentley vehicles equipped with ACC
- Includes one-year limited warranty

ATD **ADASCAL4**

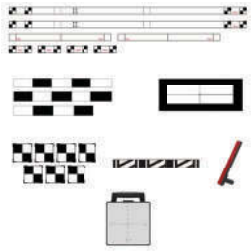
ADAS LDW 2.0 CALIBRATION PACK



- Includes Autel Standard Calibration Frame
- Includes Pattern Board, Wheel Clamps and Laser Crossbar
- Includes ADAS Upgrade Software, compatible with MaxiSYS Tablet (not included)
- Includes *BKN* **AUTDIGITALAD** Add-on for faster frame placement with one person
- LDW Patterns/Targets for Alpha Romeo, Honda, Genesis, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Subaru and Toyota/Lexus
- Includes LDW Target case
- Includes Target Board Holder
- Includes one-year limited warranty

ATD **LDW20**

MOBIL ADAS CALIBRATION 4 EXPANSION PACK



- Compatible with Autel's **MA600** Calibration Frame
- Expansion Pack for RCW, AVM, LIDAR and NV
- AVM Targets for 2018+ Hyundai/Kia vehicles equipped with AVM
- AVM Targets for select 2018+ Nissan/Infiniti vehicles equipped with AVM
- Toyota Lidar Reflector covers vehicles 2010-2015 Toyota vehicles equipped with LIDAR
- VW LIDAR Plate adds coverage for VW/Audi Lidar systems found on 2018+ vehicles (MA600RAP required)
- Benz RCW Pattern expands the coverage of the Benz RCW to include 2012-2016 models
- Lexus Night Vision covers vehicles 2003-2007 Lexus vehicles equipped with NV
- VW ADR Radar Plate covers vehicles 2003-2010 VW/Bentley vehicles equipped with ACC
- Includes one-year limited warranty

ATD **MA600CAL4**

MA600 LDW 2.0 PACKAGE

MA600 LDW 2.0 Package includes the MA600 Frame, Targets, Patterns Case and ADAS Software Upgrade to calibrate Lane Departure Warning (LDW) Systems on Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus. Includes LDA target. Included ADAS Software Upgrade is compatible with MaxiSYS tablet (not included). System expandable with optional expansion packs for BSM, ACC, AVM, NV calibration coverage.

- Includes MA600 Mobile Calibration Frame
- Includes LDW patterns/targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus
- Includes Toyota LDA Target
- Includes ADAS software upgrade, compatible MaxiSYS Tablet (not included)
- Expandable with optional expansion packs for BSM, ACC, AVM, NV Calibration Coverage
- Includes one-year limited warranty

ATD **MA60020**

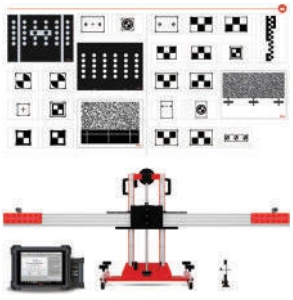
AUTEL®

MA600 LDW 2.0 PACKAGE WITH TABLET

MA600 LDW 2.0 Package with MS909 Tablet includes the MA600 Frame, Targets, Patterns Case and ADAS Software Upgrade to calibrate Lane Departure Warning (LDW) Systems on Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus. Includes Toyota LDA target. Includes ADAS Software Upgrade is compatible with MaxiSYS tablet. System expandable with optional expansion packs for BSM, ACC, AVM, NV calibration coverage.

- Includes MA600 Mobile Calibration Frame
- Includes MaxiSYS MS909 Tablet
- Includes LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus
- Includes ADAS Software Upgrade
- Includes Toyota LDA Target
- Expandable with Optional Expansion Packs for BSM, ACC, AVM, NV Calibration Coverage
- Includes one-year limited warranty

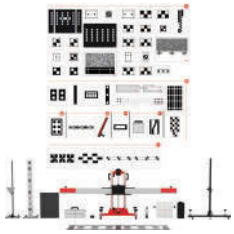
ATD **MA60020T**



ADAS LDW 2.0T CALIBRATION PACK

- Includes Autel Standard Calibration Frame
- Includes Pattern Board, Wheel Clamps and Laser Crossbar
- Includes *BKN* **AUTDIGITALAD** Add-on for faster frame placement with one person
- Includes MaxiSYS MS909 Tablet
- LDW Patterns/Targets for Alpha Romeo, Honda, Genesis, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Mazda, Subaru and Toyota/Lexus
- Includes ADAS Software Upgrade
- Includes LDW Target Case
- Includes Target Board Holder
- Includes one-year limited warranty

ATD **LDW20T**

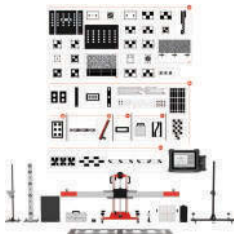


ADAS ALL SYSTEMS 2.0 CALIBRATION PACKAGE

ADASAS 2.0 is an All Systems Calibration Package and includes Standard Frame, targets, patterns and components for LDW, ACC, Lidar, Radar, Night Vision, RCW, Lane Watch and AVM system calibrations. Includes ADAS software upgrade, compatible with MaxiSYS Tablet (not included); LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus; Lidar Calibration for VW/Audi, Lexus, Toyota; RCW patterns package for VW, Nissan, Mercedes, Honda Lanewatch Target; DIGITALADAS add-on for faster frame placement with one person.

- Standard Frame All Systems Calibration Package
- Includes ADAS Software Upgrade
- Includes DIGITALADAS Add-on for faster frame placement with one person
- LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus
- Night Vision Calibration Package for VW, Mercedes, GM
- Lidar Calibration for VW/Audi, Lexus, Toyota
- AVM Patterns/Systems for Hyundai/Kia, Nissan, Mitsubishi, Toyota, VW, Honda, GM
- RCW Patterns/Package for VW, Nissan, Mercedes
- Expansion Pack for RCW, AVM, LIDAR, and NV Systems Calibrations
- One-year limited warranty

ATD **AS20**



ADAS ALL SYSTEMS 2.0 CALIBRATION PACKAGE WITH MS909 TABLET

ADASAS 2.0 is an All Systems Calibration Package includes Standard Frame, MaxiSYS MS909 Tablet, ADAS Software Upgrade, targets, patterns and components for LDW, ACC, Lidar, Radar, Night Vision, RCW, Lane Watch and AVM system calibrations. Includes LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus; Lidar Calibration for VW/Audi, Lexus, Toyota; RCW Patterns/Package for VW, Nissan, Mercedes, Honda Lanewatch Target; DIGITALADAS add-on for faster frame placement with one person Target Stand. All Systems Calibration Package includes MA600 Frame, targets, patterns and components for LDW, ACC, Lidar, Radar, Night Vision, RCW, Lane Watch and AVM system calibrations. Includes ADAS software upgrade, compatible with MaxiSYS Tablet; LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus; Lidar Calibration for VW/Audi, Lexus, Toyota; RCW Patterns/Package for VW, Nissan, Mercedes; Honda Lane Watch Target; Target Stand; Expansion pack for RCW, AVM, LIDAR and NV system Calibrations.

- Standard Frame All Systems Calibration Package
- Includes MaxiSYS MS909 Tablet
- Includes ADAS Software Upgrade
- Includes DIGITALADAS Add-on for faster frame placement with one person
- LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus
- Night Vision Calibrator Package for VW, Mercedes, GM
- Lidar Calibration for VW/Audi, Lexus, Toyota
- AVM Patterns/Systems for Hyundai/Kia, Nissan, Mitsubishi, Toyota, VW, Honda, GM
- RCW Patterns/Package for VW, Nissan, Mercedes
- Expansion Pack for RCW, AVM, LIDAR, and NV System Calibrations

ATD **AS20T**

AUTEL®

MA600 ALL SYSTEMS CALIBRATION PACKAGE

The MA600 All Systems Calibration Package includes MA600 Frame, targets, patterns and components for LDW, ACC, Lidar, Radar, Night Vision, RCW, Lane Watch and AVM system calibrations. Includes ADAS software upgrade, compatible with MaxiSYS Tablet (not included); LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus; Lidar Calibration for VW/Audi, Lexus, Toyota; RCW patterns/package for VW, Nissan, Mercedes, Honda Lanewatch Target; Target Stand; One-Year limited warranty.

- Includes MA600 Mobile Frame, All Systems Calibration Package & ADAS Software Upgrade
- LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Subaru, Toyota/Lexus
- Includes ACC Reflector Package, Doppler Reflector, Radar Plate, Continental Radar Package, Corner Reflector, Hitachi Radar Plate
- Night Vision Calibrator Package for VW, Mercedes, GM
- Lidar Calibration for VW/Audi, Lexus, Toyota
- RCW Patterns/Package for VW, Nissan, Mercedes
- Honda Lanewatch Target, Target Stand
- AVM Patterns/Systems for Hyundai/Kia, Nissan, Mitsubishi, Toyota, VW, Honda, GM
- One-year Limited Warranty

ATD **MAS20**

MA600 ALL SYSTEMS

MA600 All Systems Calibration Package with MaxiSYS 909 Tablet and ADAS Software Upgrade. Package includes MA600 Frame, targets, patterns and components for LDW, ACC, Lidar, Radar, Night Vision, RCW, Lane Watch and AVM system calibrations; LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Mazda, Subaru, Toyota/Lexus; Lidar Calibration for VW/Audi, Lexus, Toyota; RCW patterns/package for VW, Nissan, Mercedes; Honda Lanewatch Target; Target Stand; One Year Limited Warranty

- MA600 Mobile ADAS All Systems Calibration Package
- Includes MS909 tablet and ADAS Software Upgrade
- Includes MA600 Mobile Frame, All Systems Calibration Package
- LDW Patterns/Targets for Alpha Romeo, Honda, VW, Mercedes, Hyundai/Kia, Nissan, Infiniti, Mazda, Mitsubishi, Mazda, Subaru, Toyota/Lexus
- Includes ACC Reflector Package, Doppler Reflector, Radar Plate, Continental Radar Package, Corner Reflector, Hitachi Radar Plate
- Lidar Calibration for VW/Audi, Lexus, Toyota
- RCW patterns/package for VW, Nissan, Mercedes
- Honda Lanewatch Target, Target Stand
- Night Vision Calibrator Package for VW, Mercedes, GMAVM Patterns/Systems for Hyundai/ Kia, Nissan, Mitsubishi, Toyota, VW, Honda, GM
- One-Year Limited Warranty

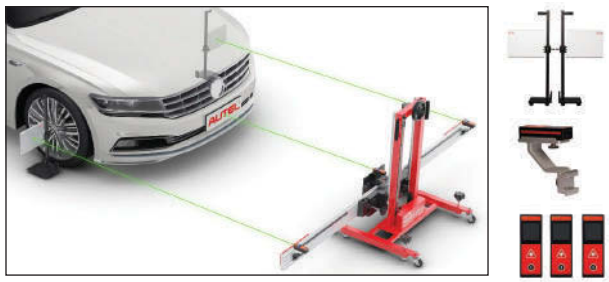
ATD **MAS20T**

MA600 CASE

This set of four storage bags are for the MA600 Calibration Frame. They were designed to help protect the frame and keep it organized in a mobile truck. The set of four bags includes one bag for MA600 Frame base, one for the crossbar, one for the stand pole and one for laser accessories. Includes foam inserts for frame and accessories. Includes a 1-year Limited Warranty.

- Set of four soft bags for the MA600 Frame and Laser Accessories to store traveling ADAS equipment in a truck
- Includes one bag for the MA600 Frame Base and one bag for the crossbar
- Includes one bag for the MA600 Frame Main Column
- Includes one bag for the Laser accessories (for Standard or MA600 Frame)
- Includes foam inserts for frame and accessories
- Includes 1-Year Limited Warranty

ATD **MA600CASE**



DIGITAL ADAS KIT

Digital ADAS Kit includes 3 digital tape measures and 2 wheel dials for use with standard Calibration Frame to enable faster frame-to-vehicle positioning and enables positioning to be performed by one technician. Includes brackets, hardware and instructions for attaching to standard frame. Allows for millimetric accuracy with digital distance readings. Usable on all makes and models. Includes one-year limited warranty.

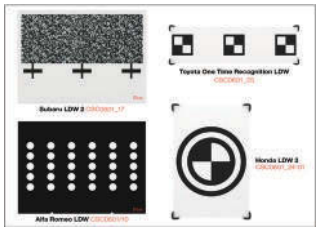
- Digital ADAS Kits for Digital Measurement Positioning add-on for standard ADAS Calibration (Replaces manual tape measures for faster, more precise frame-to-vehicle positioning)
- Includes 3 digital tape measures and 2-wheel dials for frame distance measuring from either front axle or front emblem/bumper
- Includes brackets, hardware and instructions for attaching to standard frame
- Enables millimetric accuracy with digital distance readings
- Compatible with all vehicle makes and models
- Enables faster frame placement and can be done by a single technician
- Able to be used with ADASACCESSORY for even faster equipment placing
- One-year limited warranty

BKN **AUTDIGITALAD**

Autel

AUTEL®

MA600 LANE DEPARTURE PACKAGE 3

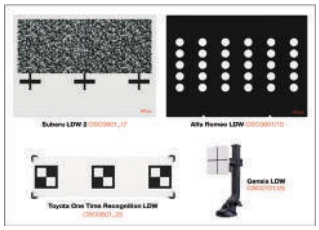


The *BKN* **AUTMA600LDW3** expansion package contained additional Lane Departure Warning (LDW) targets for use with *ATD* **MA600** ADAS calibration system. Targets included in this package are the Honda LDW3 Target, Toyota One-Time-Recognition LDW Target, Subaru LDW2 Target and the Alfa Romeo LDW Target. An Autel MaxiSYS ADAS tablet or a MaxiSYS tablet with ADAS software is required for use with the *ATD* **MA600** Calibration System and these LDW targets.

- Easy to store and transport
- Exceptional vehicle coverage
- Easily interchangeable calibration components

ATD **MA600LDW3**

ADAS LANE DEPARTURE PACKAGE 3



The *BKN* **AUTLDWTRGET3** expansion package contains additional Lane Departure Warning (LDW) targets for use with Autel's Standard ADAS Calibration System. Targets included in this package are the Hyundai Genesis LDW, Toyota One-Time Recognition LDW, the Subaru LDW2, and the Alfa Romeo LDW. An Autel MaxiSYS ADAS tablet or a MaxiSYS tablet with ADAS software is required for use with the Autel's ADAS Calibration System and these LDW targets.

- Easy to store and transport
- Exceptional vehicle coverage
- Easily interchangeable calibration components

BKN **AUTLDWTRGET3**

MA600 ADAS EXPANSION CALIBRATION PACKAGE 3

The *BKN* **AUTMA600CAL3** expansion package includes the MA600 mounting plate to expand the capability of your *ATD* **MA600** to perform radar and night vision calibrations on vehicles equipped with Adaptive Cruise Control (ACC), Blind Spot Monitoring (BSM), Front Collision Warning (FCW) and Night Vision (NV). Includes the radar calibration box, radar calibration plate, ACC reflector and night vision calibration box (VW/Audi, GM & Porsche). This package is compatible for users of the ADAS *ATD* **MA600** Mobile Calibration Frame. Requires MaxiSYS ADAS or MaxiSYS tablet with ADAS software.

- Easy to store and transport
- Exceptional vehicle coverage
- Easily interchangeable calibration components

ATD **MA600CAL3**

MAXIBAS BATTERY & ELECTRICAL ANALYSIS TOOL

The *ATD* **BS506** is a battery and electrical system analysis tool that uses Adaptive Conductance, an advanced battery analysis method, to product a more accurate examination of the battery's cold cranking ability and reserve capacity, vital to determining a battery's true health. The *ATD* **BS506** enables technicians to view the health status of vehicle's battery and electrical system. Download the free and easy-to-use mobile app, available for iOS and Android devices, to use with the *ATD* **BT506** to perform testing and display test results. Includes connected cable with clamps.

- Included Connected Cable with Clamps
- Test 6- and 12-volt batteries: 100 – 2000 CC
- Test 12- and 24-Cranking/Charging Systems
- Test flooded, AGM, AGM Spiral, EFB and GEL batteries
- Download free app from Google Play and the App Store
- Compatible with CCA, CA, SAE, EN, IEC, DIN, JIS and MCA
- Support in-vehicle and out-of-vehicle testing of passenger vehicle batteries

ATD **BT506**

MAXIBAS BATTERY AND ELECTRICAL SYSTEM TESTER

The *ATD* **BT508** is powerful yet, lightweight battery and electrical system tester that uses Adaptive Conductance, an advanced battery analysis method, to produce a more accurate examination of the battery's cold cranking ability and reserve capacity, vital to determining a battery's true health. Download the free and easy-to-use mobile app, available for iOS and Android devices, to use with the *ATD* **BT508** to perform testing and display test results. The package includes a wireless Bluetooth vehicle communication interface enabling battery and electrical component registration.

- Attached cable with clamps
- Test 12- and 24- Cranking/Charging systems
- Test 6- and 12-volt batteries: 100 – 2000 CCA
- Read and erase codes of all available systems
- Illustrated guide for battery position and testing
- Test Flooded, AGM, AGM Spiral, EFB and GEL batteries
- Compatible with CCA, CA, SAW, EN, IEC, DIN, JIS and MCA
- Support in-vehicle and out-of-vehicle testing of passenger vehicle batteries
- Includes a wireless Bluetooth vehicle communication interface for battery and electrical component registration

ATD **BT508**

AUTEL®

MAXIBAS WIRELESS BATTERY AND ELECTRICAL SYSTEM ANALYSIS TABLET

The MaxiBAS *ATD* **BT609** wireless battery and electrical system analysis tablet using Adaptive Conductance, an advanced battery analysis method that produces a more accurate examination of the battery's cold cranking ability and reserve capacity, vital for determining a battery's true health. The 7-inch Android touchscreen tablet can display a quick health status of the existing battery, register a new battery and perform advanced battery and electrical system diagnosis. Features include AutoVIN to immediately identify vehicle and battery information and to display graphic instructions for battery positioning and testing. Features service menu. Read/Clear codes on all available vehicle systems and perform common maintenance services. Print or share customized reports via Wi-Fi. One year of free software updates and limited hardware warranty.

- All Systems Code Reader and Service Menu
- Test 6- and 12-volt batteries: 100 – 3000 CCA
- Test 12- and 24-volt Cranking/Charging Systems
- Test Flooded, AGM, AGM Spiral, EFB and GEL Batteries
- Compatible with CCA, CA, SAE, EB, IED, DIN, JIS and MCA
- One year of free software updates and limited hardware warranty
- Support in-vehicle and out-of-vehicle testing of passenger vehicle batteries
- Features VINscan for rapid identification of vehicle and battery specifications
- Seven-inch Android-based wireless battery and electrical system analysis tablet
- Uses Adaptive Conductance to produce a more accurate exam of the battery's status

ATD **BT609**

BATTERY TESTER ACCESSORY KIT

Autel's Battery Tester Accessory Kit includes the DM100 Digital Multimeter 200 A Current Clamp, probes and leads. Used with Autel's MaxiBAS BT608 and BT609 Battery Analysis tools, the AUTBTAK enables technicians to safely and easily troubleshoot vehicle electrical systems and components. Includes Autel's 400 A Current Clamp with an effective measurement range of 20 mA to 400A AC/DC.

- Includes 300 Amp Clamp
- Measures battery strength
- Includes probes and leads
- One-year limited warranty
- Troubleshoot electrical system
- Digital multimeter and current clamp kit
- Measures voltage, current and resistance
- Effective measurement range of 20 mA to 400A AC/DC
- Compatible with Autel's MaxiBAS BT608 and BT609 battery analysis tools

ATD **BTAK**

BATTERY TESTER MEMORY SAVER

The Autel OBDII Memory Saver is a polarity-protected cable that attaches to a 12 V backup battery to provide power via the OBDII/EOBD port to onboard electronics while the vehicle's battery is disconnected, preventing vehicle data loss and saving the time and effort of re-coding systems. Features surge protection and three LEDs to indicate power supply status.

- One-year limited warranty
- Features surge protection and LED status lights
- Preserve vehicle codes and electronic presets when replacing battery
- Connects to vehicle via OBDII and to 12 volt battery with alligator clips
- Enables vehicle computer to be powered and maintain data when connected to backup vehicle battery

ATD **BTMS**

TOUCHSCREEN BATTERY AND ELECTRICAL SYSTEM DIAGNOSTICS TOOL

The *BKN* **AUTBT608** is a comprehensive battery and electrical system diagnostics tool featuring Adaptive Conductance technology to identify low-capacity batteries and thereby reduce battery misdiagnosis. The Android-based, Wi-Fi touchscreen tablet tool displays a quick battery health status, enables an automatic battery registration and features advanced AutoVIN and ScanVIN functionality for quick vehicle identification and battery specifications. Tool features shop manager application and a built-in thermal printer.

- 5.5-inch Touchscreen / Android 9.0 / Wi-Fi Software Updates
- Auto Battery Reset / Print Test Reports Via Built-in Thermal Printer
- AutoScan and VinScan for Quick Vehicle Identification and Battery Specifications
- Uses Adaptive Conductance Technology to Detect Battery Capacity Reducing Misdiagnosis

Contents: Bluetooth VCI, Clamp Cables, Four Battery Side Post Terminals (Types S & T) and Thermal Paper Roll

ATD **TBT608**

MAXIVIDEO DIGITAL INSPECTION VIDEOSCOPE

The MaxiVideo Scope is a digital inspection video scope with a 5.5" mm camera head with a high resolution, TFT 3.5" Color Display to view and record difficult to inspect areas and components. Rechargeable battery. 36' cable, LED lit.

Contents: (1) 5.5 mm Camera head, 3.5" TFT Color Display, 36" Cable (Waterproof to 10'), Magnet, Mirror, Video-out Cable, Molded Plastic Case, Manual.

BKN **AUTMV400-5.5**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

AUTEL®

MAXIVIDEO DIGITAL INSPECTION VIDEOSCOPE

The MaxiVideo Scope is a digital inspection video scope with an 8.5" mm camera head with a high resolution, TFT 2.4" Color Display to view and record difficult to inspect areas and components. 36' cable, LED lit.

Contents: (1) 8.5 mm Camera Head, 2.4" TFT Color Display, 36" Cable (Waterproof to 10'), Magnet, Mirror, Hook, Video-out Cable, Molded Plastic Case, Manual.

BKN **AUTMV208-8.5**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXIVIDEO DIGITAL INSPECTION VIDEOSCOPE

The MaxiVideo Scope is a digital inspection video scope with an 5.5" mm camera head with a high resolution, TFT 2.4" Color Display to view and record difficult to inspect areas and components. 36' cable, LED lit.

Contents: (1) 5.5 mm Camera Head, 2.4" TFT Color Display, 36" Cable (Waterproof to 10'), Magnet, Mirror, Video-out Cable, Molded Plastic Case, Manual.

BKN **AUT208-5.5**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXIVIDEO MV500 DUAL CAMERA VIDEO INSPECTION TABLET

The MaxiVideo MV500 is a digital inspection videoscope and wireless tablet tool. The 5-inch, full-color tablet features an Android 4.4.2 operating system, a 1.6GHz quad-core processor and image editing software. The imager head features two cameras providing front and side views that can be displayed individually or simultaneously on-screen. A detachable handle on the side of the tablet controls the camera zoom and adjustable lighting settings.

- On-screen photo editing software
- Front and side scope cameras display on-screen
- 5-inch touch screen/Android 4.4.2/8.5mm imager head
- Detachable control handle connects to tablet via Wi-Fi
- Record and play back high-resolution images and video 1280x720
- Software, Instruction manual and case included

BKN **AUTMV500**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DIGITAL INSPECTION VIDEOSCOPE W/8.5MM SINGLE CAMERA

The MaxiVideo digital videoscope is ideal for inspecting difficult-to-reach areas with its semi-rigid flexible 39.4-inch cable, 10-level adjustable LED light, and 70-degree field of view. The MV460 2-megapixel camera captures high resolution (1920 x 1080) stills and videos with 1-button quick image capture and video recording. The handheld unit features a 3.5-inch 640x480 full color LCD display, and 8.5mm camera probe, and a built-in 2600 mAh battery with up to 4 hours of continuous use.

- Record/Playback high resolution images and videos (1920 x 1080)
- 3.5 in Color LCD Display (640 x 480)
- 1-Button quick image capture and video recording
- 70° Field of View for expanding viewing angle
- Micro HDMI-output enables streaming to larger monitors

ATD **MV460**

DIGITAL INSPECTION VIDEOSCOPE W/8.5MM DUAL CAMERA

The MaxiVideo MV480 dual-camera digital videoscope is ideal for inspecting difficult-to-reach areas with its semi-rigid flexible 39.4-inch cable, 10-level adjustable LED light, and 70-degree field of view. The MV480 2-megapixel camera captures high resolution (1920 x 1080) stills and videos with 1-button quick image capture and video recording. The dual-camera 8.5mm probe provides front and side cameras that can be viewed independently or together for a wider viewing angle. The MV480 also features a new audio annotation function and bright LED flashlight on the back of the handle. The handheld unit features a 4.1-inch 1200x720 full color LCD display, and a built-in 2600 mAh battery with up to 4 hours of continuous use.

- Record/Playback high resolution images and videos (1920 x 1080)
- Dual front and side cameras for wider viewing angle
- 4.1 in Color LCD Display (1200 x 720)
- 1-Button quick image capture and video recording
- 70° Field of view for expanding viewing angle

ATD **MV480**

AUTEL®

REPLACEMENT IMAGER HEAD AND CABLE

The *BKN* **AUTMVIH155** is 5.5mm replacement imager head featuring a single 1-megapixel camera compatible with Autel's MaxiVideo MV480, MV460 and MV160. The imager head and the 3 ft. flexible cable are waterproof to 1 m. The small inch diameter 5.5 imager head, which has an optional distance of .78 in. to 2 in., enables access to tight spaces and allows for close visual inspection of confined areas such as engines and small parts. Includes both mirror and magnet. Autel's video tools use differential digital processing for image stability and clarity. The *ATD* **MVIH155** is covered by a one-year limited warranty.

- 1 Megapixel resolution
- Scratch-resistant lens
- Includes mirror and magnet
- Optimal viewing distance of .78 in. to 2 in.
- Imager head and 3' flexible cable is waterproof to 1M
- Uses differential digital processing for image stability and clarity
- Small diameter, 5.5mm image head enables access to tight spaces
- Single camera replacement imager head for MV480, MV40 & MV160
- Ideal for close-up visual inspection of confined areas such as engines and small parts such as cylinders

ATD **MVIH155**

MAXIVIDEO VIDEO SCOPE

Digital inspection camera compatible with all MaxiSys tablets (excluding *BKN* **MS906**).

- White LED lights to illuminate the inspection areas
- 1 to 14 in. viewing distance
- Equip with J2534 ECU Programming Device for replacing the existing software/firmware in the Electronic Control Units (ECU), programming new ECUs and fixing software-controlled drivability issues and emission issues
- 14 to 158° F Working temperature range

Contents: Digital Inspection Camera, Wand, Mirror, Hook, Magnet and Adapters

BKN **AUTMV108**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXIVIDEO INSPECTION CAMERA

Digital inspection camera compatible with all MaxiSys tablets (excluding *BKN* **MS906**).

- White LED lights to illuminate the inspection areas
- 3/8 to 12 in. viewing distance
- 14 to 158° F Working temperature range

Contents: Digital Inspection Camera, Wand, Mirror and Magnet Adapters

BKN **AUTMV105**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXIIRT IR100 THERMAL IMAGING CAMERA

The MaxiIRT IR100 Thermal Imaging Camera makes heat fluctuation, loss, or buildup visible to the human eye. The dual camera overlay feature allows you to view thermal images over standard images, creating easily identifiable images. The IR100 combines a high resolution, auto-focus, a 0.98 second refresh rate to create an all-in-one tool. Troubleshoot brakes, exhaust, heated seats, HVAC and more in seconds. The IR100 includes a 1-year warranty.

- Dual camera overlay feature
- Transfer images to a PC or smartphone through Wi-Fit
- Auto-Focus function helps provide instant thermal imaging
- Adjustable emissivity settings for the most accurate results
- 500mA rechargeable lithium-ion battery provides 4 hours of use per charge
- Case, instruction manual and software included

BKN **AUTIR100**

EXPANDED KEY PROGRAMMING ACCESSORIES

BKN **AUTIMKPA** is a key programming adapter kit that is compatible with the *BKN* **AUTXP400PRO** key and chip programmer. This kit includes 12 adapters for the *BKN* **AUTXP400PRO** that enables read, write and erase commands for Mercedes Benz, BMW, Volkswagen and Audi.

- Enables BMW EWS3 key learning
- Enables Mercedes Benz OE NEC key learning
- Enables Volkswagen/Audi/BMW/Mercedes Benz key unlock
- Compatible with IM608 tablet and IM508 tablet with *BKN* **AUTXP400PRO**

BKN **AUTIMKPA**

ALL-IN-ONE KEY PROGRAMMER

The Autel XP400 is an all-in-one key programmer that can read/write vehicle chip data, read/write EEPROM/MCU chip, and identify key frequency. The XP400 is an accessory to upgrade the MaxiIM508 Key Programming Tablet. It is also compatible with the MaxiIM IM608 Key Programming Tablet as a replacement part.

- Read/Write EEPROM/MCU Chip
- Identify/Read/Write Transponder
- Identify Automotive Key Frequency
- Identify/Read/Write/Generate Automotive Key
- Accessory to Upgrade MaxiIM IM508 Key Programming Tablet

BKN **AUTXP400**

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AUTEL®

ADVANCED ALL-IN-ONE KEY PROGRAMMER

The *BKN* **AUTXP400PRO** key and chip programmer, compatible with the IM508 and IM608, reads/writes and learns keys to the vehicle. The *BKN* **XP400PRO** enables programming of infrared keys for Mercedes vehicles and IC chip keys on late model Hyundai and Kia vehicles. Performs EEPROM-data functions needed for European vehicles. The *BKN* **AUTXP400PRO** supports data read/write of 3,000 plus chip types.

- Performs EEPROM-data functions needed for European vehicles
- *BKN* **AUTXP400PRO** key and chip programmer reads/writes and learns keys to the vehicle
- Enables programming of infrared keys for Mercedes vehicles and IC chip keys on late model Hyundai and Kia vehicles

BKN **AUTXP400PRO**

APB112 SMART KEY EMULATOR

The Autel G-BOX is applied when all keys of Mercedes-Benz DAS3 CAN EIS/EXS are lost. With this unit, the time of reading the ECU data of W204 and W207 is eight times faster, improving the ECU reading speed. Moreover, the number of insertions and removals of W216 and W164 EISs after the year 2009 is reduced to zero, greatly simplifying the operation steps. G-BOX needs to be used with the Autel IM508 or IM608 for reliable performance. The G-BOX must be used with the XP400 in conjunction with a MaxiIM Key Programming Tablet.

- MaxiIM Key Programming Tablet accessory to be used with the XP400
- Mercedes-Benz All Keys Lost, faster password calculation
- Mercedes-Benz All Keys Lost, no more repeated insertions and removals of IR Simulator
- Mercedes-Benz All Keys Lost, can be programmed on t+K12+K19
- BMW DME/DDE ISN Reading and Writing in Boot Mode

BKN **AUTG-BOX**

CAN FD ADAPTER

CAN FD is a faster, more reliable and more secure protocol. The Autel CAN FD Adapter connects to compatible VCIs to enable the tablet to communicate via the CAN FD communications protocol and diagnose the vehicle. Vehicles currently using this faster CAN FD (CAN Flexible Data-Rate) protocol currently include many GM and Ford 2019 and 2020 vehicles. Compatible with the MX808, MS905, MS906, MS906BT, MS906TS, MS908, MS908P, MS908SP, MSELITE, IM508 and IM608.

- CAN FD Adapter for use with supported Autel VCI units
- Enables the diagnostics of vehicles using the CAN FD protocol
- CAN FD is faster, more supportive and provides a more secure protocol
- CAN FD Adapter not required for Ultra, MS919 or MS909 – Protocols available in MaxiFlash VCI and MaxiFlash VCMI included with tablet purchase

BKN **AUTCANFDADAP**

NISSAN 16+32 BYPASS CABLE

Access the secure gateway on Nissan Sentra 2020 and newer models. This access cable is needed for any bi-directional controls, active tests, and special functions including IMMO Add Key, IMMO replacement OE-style connections made for secure connection with no back probe necessary.

- Enables viewing and graphing of live data
- Enables read/erase of all available system modules
- Compatible with Nissan Sentra 2020 and newer models
- Enables bi-directional active tests and maintenance tasks
- Compatible with Autel MaxiSYS diagnostic and MaxiIM IMMP tablets
- OE-style connection for secure connection with no back probe necessary
- Supports add key for IM tools, IMMO part replacement, IMMO status scan

ATD **NIS1632**

SCAN TOOL CABLE – CHRYSLER/FIAT 12+8 CONNECTOR

The Chrysler/Fiat 12+8 connector is an OBDII cable adapter that allows for access to lade model Chrysler vehicles by connecting directly to the wiring harness.

- Read and clear codes; perform active tests
- View generic and manufacturer live data
- Perform TPMS OBD2 relearn
- Coding and adaptations with MaxiSys tablet tools
- ADAS calibrations (requires MaxiSys ADAS software)

ATD **MSCHRY128**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRAILER PLC CONNECTOR TO 7-WAY PLUG

The Autel Trailer PLC is a power line communications connector that is compatible with the MS908CV and allows for a direct connection the trailer 7-way plug.

- J560 PLC Adapter Connects to Trailer ABS
- Detect ABS Warning Lamp Messages from the Trailer ECU
- Accessory for the Autel MaxiSYS MS908CV (Sold Separately)
- Allows direct connection to trailer without the tractor or connect to vehicle between the tractor and the trailer

ATD **TRAILERPL**

AUTEL®

G-BOX FAST PASSWORD BREAK OUT BOX

The Autel APB112 Smart Key Emulator is designed to collect the data sent from the ignition coil, aiming to identify the ignition coil troubles and decode the data of the vehicle key chip. It can also emulate the vehicle key chip. The APB112 must be used with the XP400 in conjunction with a MaxiIM Key Programming Tablet.

- Supports 46, 4D Data Collection
- Supports 46 Chip Emulation
- Supports 46 Smart Key Password Calculation
- MaxiIM Key Programming Tablet Accessory to Be Used with the XP400
- Supports Toyota4D (94/D4, 98) and Toyota H (88/A8, A9, 30) Smart Key Emulation

ATD **APB112**

MAXIM IM608 1-YEAR UPDATE TOTAL CARE PROGRAM

The IM608 Total Care Program (TCP) Card extends vehicle coverage and tablet software functionality with one year of software updates. The TCP also extends tablet warranty for additional year.

- Software updates for one year
- Extends vehicle coverage
- Updates provide new tablet functions and features
- For use with *BKN* **AUTIM608**

BKN **AUTIM6081YUD**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAXIM IM508 1-YEAR UPDATE TOTAL CARE PROGRAM

The IM508 Total Care Program (TCP) Card extends vehicle coverage and tablet software functionality with one year of software updates. The TCP also extends tablet warranty for additional year.

- Software updates for one year
- Extends vehicle coverage
- Updates provide new tablet functions and features
- For use with BKN AUTIM508

BKN **AUTIM5081YUD**

TOTAL CARE PROGRAM FOR MSULTRA

The MSULTRA Total Care Program (TCP) card extends vehicle coverage and tablet software functionality with one year of software updates. The TCP also extends tablet warranty for additional year.

- Software updates for one year
- Software extends vehicle coverage
- Software updates provides new tablet functions and features
- Extends tablet warranty coverage of the MSULTRA for one year
- Total Care Program (TCP) Card for the MSULTRA extends warranty and software subscription for one year

BKN **AUTMSULTRA1Y**

MAXISYS ONE-YEAR TOTAL CARE PROGRAM SUBSCRIPTION

Allows user access to new and updated software available for the MaxiSys scan tool for one year from date of installation of the update. When updates are available during the one-year time and the user can access them without addition charge per update.

Contents: (1) 5.5 mm Camera Head, 2.4" TFT Color Display, 36" Cable (Waterproof to 10'), Magnet, Mirror, Video-out Cable, Molded Plastic Case, Manual.

Item No.	Description
BKN **AUTMS908-1YR**	For *BKN* **AUTMS908S**
BKN **AUTMS908P-1**	For *BKN* **AUTMS908SP**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TOTAL CARE PROGRAM FOR MS919

The MS919 Total Care Program (TCP) Card extends vehicle coverage and tablet software functionality with one year of software updates. The TCP also extends tablet warranty for additional year.

- Total Care Program (TCP) Card for the MS919 extends warranty and software subscriptions for one year
- Extends tablet warranty coverage of the MS919 for one year
- Software updates for one year
- Software extends vehicle coverage
- Software updates provide new tablet functions and features

BKN **AUTMS9191YRU**

TOTAL CARE PROGRAM FOR MS909

The MS909 Total Care Program (TCP) Card extends vehicle coverage and tablet software functionality with one year of software updates. The TCP also extends tablet warranty for additional year.

- Software updates for one year
- Software extends vehicle coverage
- Extends Tablet warranty coverage of the MS909 for one year
- Software updates provide new tablet functions and features
- Total Care Program Card for the MS909 extends warranty and software subscriptions for one year

BKN **AUTMS9091YRU**

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BOSCH
Invented for life

ESI [TRUCK] HEAVY DUTY DIAGNOSTIC SOLUTION

- Extensive make, model, engine, and system coverage - for North American commercial vehicles / heavy duty trucks
- Enhanced bidirectional controls, including diesel particulate filter (DPF) regeneration, cylinder cut-out, injector coding, component actuation, special tests, and more
- HDS 1000 Windows 10 touchscreen tablet designed for technicians in a rugged environment
- Front and rear cameras for repair image storing
- All diagnostic functions continue after subscription expiration.
- Renew ESI Truck 12-month license to receive specification updates using *BSD* **382408**
- Upgrade with Heavy Duty Truck Troubleshooting information using *BSD* **382408R** software
- Upgrade to perform off-highway vehicle diagnostics - including agricultural and construction vehicles with *BSD* **3824CBLUPG** Upgrade Kit or *BSD* **382408OWH**

BSD **3824A**

ADS 525X DIAGNOSTIC SCAN TOOL

Extreme Flexibility. Extreme Speed. Extreme Access.

- Includes the most advanced OE level vehicle coverage supporting scanning, live data access, complete bi-directional functions and dynamic ADAS calibration capable
- Wireless J2534-compliant VCI provides freedom to move throughout the bay
- Compatible with many wireless borescopes, battery testers, NVH analyzers and more
- Fast processing, printing and file sharing with Android 9+ OS or higher, latest hardware/software technology
- Ultra crisp 8-inch vibrant, high definition display with full widescreen viewing
- OBD II cable with light and voltmeter to confirm battery voltage prior to scanning
- Over 14 hours of battery runtime
- Browse videos, navigate online resources, utilize productivity tools and more with Google Play
- Backed by Bosch Diagnostic Lifetime Warranty with active, continuous subscription
- Upgrade to Enhanced subscription to unlock full access to color wiring diagrams and Repair-Source, OEM service and repair information library, use *BSD* **3945SUBENH**

BSD **3945**

⚠ **WARNING: California Proposition 65 - This item contains Lead and lead compounds which is known to cause cancer. - www.P65Warnings.ca.gov.**

ADS 625X DIAGNOSTIC SCAN TOOL

All of the features of the Bosch ADS 525X plus,

- Leading technology hardware and software with Android 10 OS or higher, and expandable SD card storage up to 512 GB
- Large 10" vibrant, high definition display
- Multipurpose docking station charges station, provides AC power to VCI to access repair information without being connected to vehicle
- Compatible with Bosch DAS 3000 ADAS Recalibration System with flexible software subscription

BSD **3975**

⚠ **WARNING: California Proposition 65 - This item contains Lead and lead compounds which is known to cause cancer. - www.P65Warnings.ca.gov.**

ADAS MASTER RECALIBRATION SOLUTION

A complete solution that enables shops to recalibrate vehicle camera and radar systems with confidence, speed, efficiency, precision and a vision for the future

- Guided instruction module walks users through the entire recalibration process including fixture placement, target selections and sensor recalibration
- Commonized recalibration procedures are built from the unique requirements of OEM makes and models – reducing to a minimum of set-up variations and simplifying ADAS recalibrations.
- Includes 13 camera target boards and 1 dual purpose camera and radar board
- Convenient integrated target storage allows technicians to stow camera targets while keeping them easily accessible and clean
- Bosch ADS 625X scan tool is integrated into the DAS30001 system offering pre- and post-scan reporting options as well as a full complement of diagnostic coverage.
- Also available as Bosch DAS30002 ADAS Recalibration System designed for existing Bosch ADS 625 and ADS 625X scan tool customers (scan tool not included)

BSD **DAS30001**

⚠ **WARNING: California Proposition 65 - This item contains Nickel (Metallic) which is known to cause cancer. This item contains Di-isodecyl phthalate (DIDP) which is known to cause birth defects or other reproductive harm. - www.P65Warnings.ca.gov.**

CanDo
INTERNATIONAL, INC.

We're changing the game again – and this time it's for MOTORCYCLES & POWERSPORTS!

Coverage for over 30 brands including Harley, Indian, Ducati, BMW, Triumph, CanAm, Polaris & more!

The **MOTO Pro** is a comprehensive, full-functionality scan tool for motorcycles and recreational vehicles. With today's modern motorcycles having computer systems controlling not only the engine, but brakes, transmissions and much more, it is now imperative to have a scan tool that can access these systems and make diagnostics and repair much faster.

The **MOTO Pro** covers all major manufacturers from Europe, Asia and North America. Furthermore, PWC, or personal watercraft is also covered, as are recreational vehicles, such as ATVs and Side-by-Sides.

Working on Commercial Vehicles & Off-highway Equipment?
CanDo has YOU Covered.

HDPROTAB

- IP67 Wireless 10" Tablet
- Class 4-8 and Off-highway
- Full Bi-directional Controls
- Change/Set Parameters
- 2 Years Free Software
- All Cables and Connectors included

HDPROIII

- Wired Android 10" Tablet
- Class 4-8 and Off-highway
- Full Bi-directional Controls
- Change/Set Parameters
- 2 Years FleetCross Troubleshooter included
- Years Free Software
- All Cables and Connectors included

OHVPRO

- IP67 Wireless 8" Tablet
- Off-highway Equipment
- Generic and Diesel OBD
- Full Bi-directional Controls
- Change/Set Parameters
- Calibrate Hydraulics
- 2 Years Free Software
- All Cables and Connectors included

MLTPRO

- IP67 Wireless 8" Tablet
- Medium and Light Duty Truck including Jeep and Sprinter
- Full Bi-directional Controls
- Special Functions: Injector Programming, Module Recoding, DPF Reset/Regen and more!
- 2 Years Free Software
- All Cables and Connectors included

HDCODEII

- Read/Clear Codes & View/Graph Live Data for Engine, Brakes & Transmission
- DPF Reset & Regen for Cummins, Detroit, International, Isuzu & Mitsubishi FUSO
- Caterpillar Injector Cutout
- Incl. 6&9 pin connector & CAT 9 pin
- Free Lifetime Updates

HDTPMS

- Activate/Read Sensors
- Check Tire Pressure
- Check Tire Temperature
- Display and Identify Sensors
- Manage up to 22 tires
- 3 years free software!

HDMOBILE

- Wireless Smart Device VCI
- Read/Clear Codes
- Performs DPF Reset/Regen: Detroit, Cummins, Isuzu, Mack and Volvo, International and Fuso
- New Data Logging Feature
- Lifetime free updates

Recently Added Coverage for: Bendix Wingman, Detroit Assurance, CASE IH, JCB & Liebherr

www.candointl.com | 909-CanDo-11(226-3611)

CanDo
INTERNATIONAL, INC.

CanDo

CanDo INTERNATIONAL, INC.

ANDROID DIAGNOSTICS SCAN TOOL

Class 4-8 HD and off-highway coverage in one tool.

- 1 Year warranty
- Full bi-directional controls and special tests
- DPF resets and regens
- Parameter changes
- Color screen
- 2 years free software

Contents: blow molded case, manual, tool, cables, connectors and associated accessories

BKN **CANHDPROIII**

ANDROID SCAN TOOL FOR OFF-HIGHWAY VEHICLES

Coverage for CAT, JD, Volvo, JCB, CASE-NH, Hitachi, Liebherr and more.

- Access: Engine, Gearbox, Hydraulics, Suspension and other electronic modules
- Perform: Read/Clear Codes, Live Data with Graphics, Calibrations, Bi-Directional Control, Resets and Actuations
- 2 Years free updates and all cables and connectors included
- Software, case and instruction manual included

CND **OHVPRO**

OPEN ANDROID SCAN TOOL

The CanDo C-Pro is a fully loaded, full functionality scan tool complete with bi-directional controls, special test functions and a full suite of adaptations and service resets. Packaged in an 8-inch Android tablet that is Bluetooth wireless to the car, Wi-Fi to the internet, intuitive to use and easy to update, the C-Pro also includes a remote diagnostics function that allows technicians to remote into the C-Pro, regardless of where it may be. European, Asian and Domestic passenger cars and light trucks are fully covered.

- Auto IDs the vehicle and all its systems
- Read/Clear codes and live datastream with graphing
- 8-inch LED high-resolution screen
- History and reports of scanned vehicles
- 1-year free updates
- One easy-to-use interface for all manufacturers and systems

Contents: Scan Tool, Connectors, Cables, Blow-molded Case

CND **CPRO**

HDPRO™ ANDROID SCAN TOOL TABLET FOR HEAVY DUTY APPLICATIONS

- Class 4-8 heavy duty and off-highway coverage in one tool
- Full bi-directional controls and special tests
- DPF resets and regeneration
- Parameter changes
- IP67 Android tablet
- Bluetooth wireless
- 2 years free software
- Lithium-ion battery
- OBD2 Capable
- 10 in. IPS screen display
- 32 to 104° F working temperature range

CND **HDPROTAB**

MLT PRO

- Full Bi-directional Controls
- Full System Access
- DPF Resets & Regens
- Injector Coding
- Injector Cut Off
- DPF Aftertreatment Leak Test & Reset Functions
- EGR Reset on Medium Trucks
- Turbo Charger Calibration & Activation (Required for Turbo Replacement)
- Steering Angle Reset
- VGT Electronic Actuator Installation & Calibration
- Fan Override Test
- Maintenance Reset
- Cylinder Performance test
- SCR Performance test
- SCR/DEF Bi-Directional Controls and much more added on a weekly basis as part of your software subscription!

Benefits

- Auto-IDs all modules
- One easy-to-use Interface for All Manufacturers and Systems
- True IP65 Drop Test and Water-Resistant Rating
- Open Android Tablet
- 8" IPS High-Resolution Screen
- Comes with 16, 6 and 9 pin Connectors

Brands Covered

- LIGHT TRUCK: Dodge/Ram Cummins, Ford Powerstroke and Chevy Duramax
- MEDIUM TRUCK: Mitsubishi FUSO, Isuzu, Hino, UD
- Sprinter Full Coverage: Mercedes, Freightliner and Dodge
- HEAVY TRUCK: All J1939/J1708 Protocols for Read/Clear Codes and Live Data
- TRANSMISSION: Allison
- OBD2 Generic: Read/Clear Codes and Live Datastream w/ Graphing

CND **MLTPRO**

CanDo INTERNATIONAL, INC.

TPMS FOR TRUCKS AND BUSES

Activates and reads OE sensors in seconds.
- Display sensor ID
- Three years free updates
- Check tire temperature
- Can do up to 22 wheels
- Check sensor battery life
- Check tire pressure to avoid under inflation
- Software and instruction manual included

CND **HDTPMS**

BATT R/T BATTERY TESTER & RESET TOOL

The CanDo Diagnostic's Batt R/T is a complete solution for testing all 12V and 24V batteries and electrical systems – and it now adds Battery Matching & Reset capabilities and OBD2 Read & Clear codes.
Battery Matching and Resets: Today's latest vehicles require a reset of the battery life when replacing batteries. Failure to do so may result in over-charging the new battery leading to shortened battery life and, in some cases, drivability issues. With the Batt R/T, you no longer need a complicated scan tool to perform a battery reset.
- Perform Battery Matching & Resets on: Porsche, BMW, MINI, VW, Volvo, AUDI, Jaguar, Land Rover, Ford, Toyota, Lexus, Mazda and SEAT
- Built-in Manual Procedures
- Portable Design
- Free Updates
- Battery Testing: The Batt R/T is compatible with a wide variety of battery types, including CCA, SAE, DIN, JIS, IEC, EN and CA. It features quick and easy assessment of battery condition and electrical system performance
- Battery Test on and off the vehicle
- Full electrical system test
- Battery Test – tests the battery's condition
- Grounding Test – Quickly check the engine and chassis ground
- Starter Test – Cranking test to determine cranking power
- Alternator Test – Check the charging conditions of the alternator during electric loading and without electrical loading

BKN **CANBATTRT**

BATTERY RESET & REGISTRATION TOOL

- Battery matching on Porsche, BMW, Mini, VW, Audi, Jaguar, Land Rover, Ford, Toyota, Lexus and Mazda
- Easy to use
- No battery
- Manual procedures are built in
- Free updates
- 2 in. LCD
- 32 to 104° F

CND **BATT**

GLOW PLUG READER

Test glow plugs without removal.
- Self-calibrating with single button operation
- Reads condition while the audible tones notify for high resistance, shorted or other conditions
- 9 Volt battery
- Multi-voltage capability for reading glow plugs of all types including ceramic
- Easy to read screen with graphic display
- 1.75 in. LCD screen

CND **GPR100**

HEAVY DUTY CODE READER

Full-color code scanner for class 4-8 and Caterpillar applications.
- OBD2 covered
- Read and clear codes
- Live data with graphing
- DPF reset and regenerate
- Caterpillar and off-highway
- Free updates
- 3.5 in. Color LCD screen
- 32 to 104° F working temperature range

CND **HDCODEII**

HD MOBILE

Transform your Smart Device – iOS or Android – into a powerful class 4-8 code scanner. With DPF Reset/Regen capabilities! And it also works on OBD2.
Say Never Again to getting stuck in limp mode – or worse – stranded on the side of the road, just because you need a DPF reset or regen! With the HD Mobile, you can rest assured that you will never have to pull over, in the middle of nowhere, for a supposed drivability issue while having to trust a repair facility with "what's wrong" with your prized investment. Not only is the tow expensive, so could be the hidden repair charges!
- Works with iOS and Android
- Class 4-8 Coverage
- Light-Medium Duty Coverage
- Caterpillar Coverage
- CAT Cylinder Cutout
- Read & Clear Codes
- Live Data
- DPF Resets & Regens
- Easy to use interface
- Comes with 6, 9, 16-pin and CAT connectors
- Supports 500k Baud Rate
- Free Updates

CND **HDMOBILE**

VCI AND APP FOR LIGHT-DUTY TRUCK APPLICATIONS

Turns your IOS or Android smart device into a powerful HD code scanner.
- Class 4-8 coverage
- DPF resets and regenerates
- Read and clear codes
- Live data
- Free app and software
- OBD2 Coverage
- IP67 rated Android tablet

Contents: Connector, Cables and manual

CND **LDMOBILE**

CARLYLE TOOLS CODE READER & SCANNER

Carlyle's easy-to-use, handheld code reader and scanner features a patented One-Click I/M Readiness Key, enabling users to check State Emission Monitor Status and verify repairs. Read and erase codes on 1996 and newer domestic, Asian and European vehicles with the TFT 22- x 176 dpi color display.

- Views freeze frame data
- Easy plug-in and scan operation
- Retrieves vehicle identification information
- Retrieves generic, manufacturer specific and pending codes
- Clears codes, resets monitors and turns off malfunction indicator light
- USB mini 2.0 OBD2 D816 connectivity
- 8.0 to 18.0 V provided via the vehicle battery
- 32° to 140° F Operating temperature
- -4° to 158° F Storage temperature

SER **NAPA329**

HEAVY-DUTY TRUCK DIAGNOSTIC SMOKE MACHINE

For all heavy-duty truck intakes, exhaust, vacuum lines and components, cabin air and water leaks and much more. Not for EVAP testing.

- Compact, heavy-duty design for years of reliable service
- Operates on shop air or inert gas
- Quick smoke generation
- Built-in safety pressure relief valve
- Pressure can be regulated from 0 to 28 PSI
- Large, easy to read pressure decay gauge 0 to 30 PSI
- Non-toxic and non-corrosive smoke
- 10' 12V power cables with durable clamps
- Heavy-duty 10' smoke injection hose
- Velcro® strap for hose and power cable storage

Specifications

Voltage: ..... 12 VDC
Input Pressure: ..... Max 100 PSI (8.2 bar)
Output Pressure: ..... Max 28 PSI (190 kPa)
Safety Pressure Relief: ..... 120 (±5) PSI
Oil Fil Line Indicator: ..... 3.4 oz. (100 ml (±10 ml))
Flow Meter: ..... 0 – 0.40 in. (0 – 1.0 mm)
Dimensions: ..... 11.8 x 8.1 x 11 in. (300 x 205 x 280 mm)
Weight: ..... 11.5 lbs. (5.2 Kg)
Shipping Weight: ..... 22 lbs. (10 Kg)
Power Consumption: ..... Max 6.5 Amps
Operating Temperature: ..... 0° F to 140° F (-17° C to 60° C)
Operating Humidity: ..... No Restrictions
Operating Altitude: ..... No Restrictions
Vapor Output Hose: ..... 10 ft.
Power Cable: ..... 10 ft.
Pressure Supply: ..... Air/Insert Gas

Contents: two large inflatable block-off bladders with safety chains, 6" rigid smoke stack ring, pressure sensor port adapter, oxygen sensor port adapter, temperature sensor port adapter, high intensity battery-powered smoke illuminating flashlight and 8 oz. smoke producing fluid

CHT **HDSM28**

⚠ WARNING: This product can expose you to chemicals including Lead, Butadiene, Tetrafluoroethylene and Silica which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVAP DIAGNOSTIC SMOKE MACHINE

For all EVAP, intake, exhaust, vacuum lines and vacuum components, passenger compartment window and sunroof, headlight/tail-light fixtures and much more. This unit provides the option of compressed air, inert gases and a built-in internal compressor to inject the smoke into the system.

- Compact, heavy-duty design for years of reliable service
- Multiple options for smoke injection include built-in internal compressor, shop air and inert gases
- Quick smoke generation
- Built-in safety pressure relief valve
- Built-in pressure regulated at 0.5 PSI for safe EVAP testing
- Large easy to read pressure decay gauge 0-30 in. H20 (70 mBar)
- Easy to read and clean flow meter
- Non-toxic and non-corrosive smoke
- 10' 12V power cables with durable clamps
- Heavy-duty 10' smoke injection hose
- Velcro® strap for hose and power cable storage
- High intensity, battery-operated smoke illuminating telescoping flashlight

Specifications

Voltage: ..... 12 VDC
Input Pressure: ..... Max 100 psi (8.2 bar)
Output Pressure: ..... 12 – 14 inH20 (30-35 mBar)
Safety Pressure Relief: ..... 120 (±5) psi
Auto Shut-Off: ..... 5 minutes
Oil Fill Line Indicator: ..... 3.4 oz. (100 ml (±10 ml)
Flow Meter: ..... 0 – 0.040 in. (0 – 1.0 mm)
Dimensions: ..... 11.8 x 8.1 x 11 in (300 x 205 x 280 mm)
Weight: ..... 11.9 lbs (5.4 kg)
Shipping Weight: ..... 20 lbs. (9 Kg)
Power Consumption: ..... Max 6.5 Amps
Operating Temperature: ..... 0° F to 140° F (-17°C to 60°C)
Operating Humidity: ..... No Restrictions
Operating Altitude: ..... No Restrictions
Vapor Output Hose: ..... 10 ft.
Power Cable: ..... 10 ft.
Pressure Supply: ..... Air/Inert Gas/Pump

Contents: full set of block-off caps, exhaust cone, EVAP Schrader valve remover/installer, EVAP service port adapter hose (green cap), high intensity smoke illuminating battery powered flashlight and 8 oz smoke producing fluid

CHT **EVSM14**

⚠ WARNING: This product can expose you to chemicals including Lead, Butadiene, Tetrafluoroethylene and Silica which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TURBO/INTAKE DIAGNOSTIC SMOKE MACHINE

For all turbo, intakes, exhaust, vacuum lines and vacuum components, manifolds, passenger compartment window and sunroof, headlight/tail-light fixtures and much more. Not for EVAP testing. This unit provides the option of compressed air, inert gases and a built-in internal compressor to inject the smoke into the system.

- Compact, heavy-duty design for years of reliable service
- Multiple options for smoke injection include built-in internal compressor, shop air and inert gases
- Quick smoke generation
- Built-in safety pressure relief valve
- Pressure can be regulated from 0 to 28 PSI
- Large, easy to read pressure decay gauge 0 – 30 PSI
- Non-toxic and non-corrosive smoke
- 10' 12V power cables with durable clamps
- Heavy-duty 10' smoke injection hose
- Velcro® strap for hose and power cable storage

Specifications

Voltage: ..... 12 VDC
Output Pressure:
Internal Pump: ..... Max 22 PSI (50 kPa)
External Pressure Source: ..... Max 28 PSI (190 kPa)
Safety Pressure relief: ..... 120 (±5) PSI
Oil Fill Line Indicator: ..... 3.4 oz. (100 ml (±10 ml)
Flow Meter: ..... 0 – 0.40 in. (0 – 1.0 mm)
Dimensions: ..... 11.8 x 8.1 x 11 in. (300 x 205 x 280 mm)
Weight: ..... 11.5 lbs. (5.2 Kg)
Shipping Weight: ..... 22 lbs. (10 Kg)
Power Consumption: ..... Max 6.5 Amps
Operating Temperature: ..... 0° F to 140° F (-17° C to 60° C)
Operating Humidity: ..... No Restrictions
Operating Altitude: ..... No Restrictions
Vapor Output Hose ..... 10 ft.
Power Cable: ..... 10 ft.
Pressure Supply: ..... Air/Inert Gas/Pump

Contents: inflatable intake bladder, full set of block off caps, exhaust cone, high intensity battery powered smoke illuminating flashlight and 8 oz. smoke producing fluid

CHT **TICSM28**

⚠ **WARNING: This product can expose you to chemicals including Lead, Butadiene, Tetrafluoroethylene and Silica which is known to the State of California to cause cancer and birth defects or other reproductive harm.**
For more information go to www.P65Warnings.ca.gov.

COMPRESSION TESTER, GASOLINE

Features & Benefits

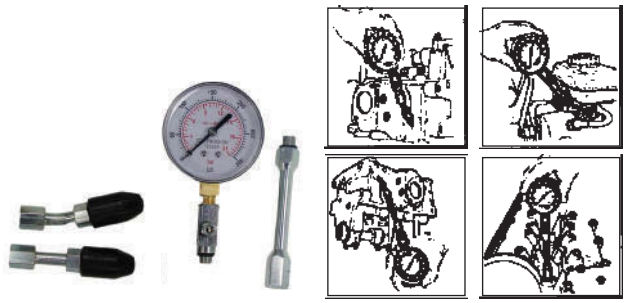
Tests compression on vehicles with gasoline engines including mini engines, heavy duty hoses and adapters. Gauge includes protective rubber boot. Comes in protective case with compartments.

Specifications

Engine Fuel Type: ..... Gasoline
Compression Tester Adapter Size: M10, M12, M18
Compression Tester Gauge Size: ..... 2½"
Contain Pressure Relief Valve: ..... Yes
Contain Quick Release Coupler: ..... Yes
Flexible Hose: ..... Yes
Includes Extensions: ..... Yes

SER **TU30A**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**



UNIVERSAL COMPRESSION TESTER KIT

This versatile kit provides a quick method to obtain cylinder compression pressure on engines with deep, recessed spark plugs and difficult access. A special air-hold valve is included for easy resetting of the gauge, which is graduated from 10 to 300 PSI (0 to 21kg/cm2). Gauge assembly includes pressure relief valve.

CAUTION: Do not use with engine running. For intended use only.

SER **3305**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

COMPRESSION TESTER

Set includes storage case, compression gauge with protective boot, one extension, two hand-held adapters and a special air-hold valve for easy reset. Features gauge checks up to 300 PSI and flexible line with three brass adapters. Adapter Size: 10mm, 12mm, 14mm.

SER **3469**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LOGIC LIGHT

Patented LED edge-lighting illuminates the handle red when power has been detected and green when grounded.

- Save time by easily confirming a grounded circuit
- For use with 6V/12V/24V automotive electrical systems
- Internal power source allows user to test live and non-live DC systems (battery included)

SER **81**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RELAY BYPASS MASTER KIT

The relay bypass switch plugs in place of the fuel pump relay and provides direct control over the fuel pump circuit. It can be used to actuate the fuel pump when the engine is not running, allowing the fuel pressure to be read. Operating Range: 20 Amp Continuous, 30 Amp Surge (12V). Includes small spade relay for 2000 and newer domestic, Korean and Japanese; medium spade relay for domestic and Japanese 1970-2000; large spade for Volkswagen 1995-2005 and Audi 2004-2006; small rectangular relay for GM, Chrysler and Japanese 1985-2008; square relay for BMX 1995-2006; and large rectangular for GM, Chrysler and Japanese 1995-2007.

SER **9038**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RELAY TEST JUMPER SET I

Includes four jumpers to fit the most popular size relays. For quick and easy test relays simply remove relay to be tested, insert jumper and insert relay into jumper.

SER **56810**

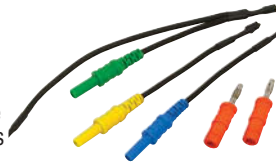
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RELAY TEST JUMPER SET II

Set includes four jumpers to fit many popular relays on Honda, Nissan, Toyota, newer Ford and GM mini micro relays as well as International trucks. Simply remove relay to be tested, insert correct jumper and insert relay into jumper. When using gray four pin jumper be careful to align pins on jumper and relay correctly. No need to pierce wires or connect multiple jumper wires. Jumpers have tabs for clamping and flat pads to place test leads on. Set comes in blow-molded case for storage.

SER **60610**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



RELAY TEST JUMPER SET

For use with relay test jumpers to multi-meter. Includes banana plug to pin probe adapter for use with pin probes. Provides access for clamp-on amp meter.

SER **69200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PIN-TYPE ELECTRICAL BACK PROBE KIT

Helps take voltage or signal measurements by back probing connectors without damage. No need to disconnect connector and terminal. Kit contains five different color probes for easy identification.

SER **490N**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WIRE TEST LEADS

Retractable leads are designed for testing electrical circuits. Leads pull out and stay at desired length and can be rewound into the case when not in use. Features insulated alligator clips.

Item No.	Gauge	Length	Lead Colors
SER **1129**	18 ga	10'	Green, Red, Black
SER **1137**	18 ga	30'	Red, Black

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

7 PC. RETRACTABLE TEST LEAD SET W/ BANANA PLUGS

Retractable test leads pull out and stay at desired length. Just rewind when not in use. Can be used with any multimeter or other device. Comes equipped with standard banana jack connectors. Insulated 18-gauge copper wire allows for 10 amp (fully unwound) and 6 amp (wound) maximum. With 15' leads, you can connect in various locations and test from the driver's seat.

SER **1176**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

7 ROUND PIN TRAILER TERMINAL CONNECTOR CLEANERS

Precision machined cleaning tool for use with 7-pin round commercial trailer connectors. Quickly and thoroughly removes corrosion, which left alone often leads to lighting issues. Tool doubles as a pin/socket wear gauge indicating whether or not the connection needs to be tightened or replaced. For male/female connections and tail/side marker light assemblies. Maintains continuity and prevents circuit failures. Enhances electrical contact points and extends harness life.

SER **8024**

ELECTRICAL TERMINAL CLEANERS

Convenient set of precision machined cleaning tools for most common utility trailer connectors. Covers 4/5 flat, 6 round, and 7 spade configurations. Quickly and thoroughly removes corrosion which when left alone often leads to connectivity issues. Clean and re-size 4/5 flat connectors, 6 round and 7 flat (spade) pin terminals. For male and female connections. For tail and side marker light assemblies. Maintains continuity and prevents circuit failures. Quickly and precisely cuts away corrosion. Kit includes *SER* **8022**, *SER* **8021** and *SER* **8023**.

SER **8025**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov. Contains aliphatic hydroxy hydrocarbons, petroleum distillates and aromatic hydrocarbons**

CIRCUIT TESTER PLIERS

Dual probe/computer safe/ polarity indicator tests low voltage (6-28 volts). Flip-out probe enables operator to check hard-to-reach connections, and can be flipped out of the way when not in use. Centering V design allows operator to penetrate the center of the wire every time. Safe for use on 12-volt automotive computer circuits. Draws less than 19 mA @ 12 V DC, and fits 16-gauge or smaller wires. Operating Range: 6-28 volts.

BK **77-4008**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RELAY PULLER PLIERS

Removes electrical relays on most domestic and import vehicles. Offset handle and thin tips allow easy access to relays in confined spaces. Specially-designed tips are angled to fit slots or edge of relay cover, allowing relay to pop free from socket with less chance of damage. Also useful for many heavy-duty and industrial applications.

SER **77-4023**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DEUTSCH TERMINAL SERVICE KIT

Deutsch terminal service tool kit contains six pieces to crimp and release the Deutsch terminals found throughout the industry on trucks, construction equipment, motorcycles, race cars, magriculture, marine and heavy duty vehicles. Ideal for vehicles and equipment subject to excessive vibration and wherever an environmentally sealed connection is used. Crimps both open and closed barrel terminals. Release tools feature stainless steel shafts and knurled color-coded aluminum handles and are for different gauge wire applications. Crimping tools are steel constructed with comfortable cushioned grip handles. Supplied in a durable, plastic molded storage case. Call out label has application information and instructions.

Contains: (3) Deutsch Terminal Release Tools to be used on, 14 – 16 Gage Wire, 16 – 18 Gage Wire, 20 – 24 Gage Wire, (1) Open Barrel Crimping Tool for 14 – 24 Gage Wire, (1) Deutsch Closed Barrel Crimping Tool to be used on 14, 16 & 18 Gage Closed Barrel Terminals, (1) Deutsch Closed Barrel Crimping Tool to be used on 20 & 22 Gage Closed Barrel Terminals.

SER **18650**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

INDEX

CARLYLE TOOLS by NAPA

QUICK-CHANGE RATCHETING TERMINAL CRIMPER KIT WITH 5 DIE SETS

Ratcheting terminal crimping tool works with wires and cables to create professional and secure connections. Versatile kit includes 5 dies for virtually all uses. Die can be quickly changed for a wide range of applications.

- Crimping tool is made from steel and has contoured grip handles
- Comes in a blow molded storage case for easy transport
- Includes die 18921 for insulated terminals 10-22 ga, 18922 for non-insulated open barrel connectors 10-22 ga, 18923 for fully insulated quick disconnect terminals with thinner barrels 10-22 ga, 18924 for non-insulated terminals 8-22 ga
- Also includes die 18925 for miniature insulated rings, spades and butt splices 16-26 ga.

SER **18920**

⚠ **WARNING: This product may expose you to chemicals including Di(2-ethlhexyl)phthalate (DEHP) which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OPEN BARREL CRIMP TOOL

Open barrel crimping tool works with most open barrel terminals including Deutsch, computer sensor and Weather Pack. Designed for wire gauge sizes 14-24. Thin profile allows access to hard to reach areas. Steel construction with comfortable cushioned grip handles.

SER **18600**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TERMINAL CRIMPER FOR DEUTSCH 14, 16 & 18 GAGE CLOSED BARREL TERMINALS

Terminal crimpers for Deutsch closed barrel terminals found on motorcycles, trucks, construction equipment, race cars, agriculture equipment, heavy duty vehicles and other vehicles and equipment subject to excessive vibration.

- Easy to use – just insert terminal and wire, then squeeze handles tightly together to complete the crimp
- Ratcheting action provides perfect crimp
- Steel construction and comfortable cushioned grips
- Wire size range of 14, 16 and 18-gauge wire

SER **18880**

⚠ **WARNING: This product may expose you to chemicals including Di(2-ethlhexyl)phthalate (DEHP) which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TERMINAL CRIMPER FOR DEUTSCH 20 & 22 GAUGE CLOSED BARREL TERMINALS

Terminal crimper works on 20 and 22 gauge closed barrel terminals. Crimps Deutsch closed barrel terminals that are on heavy-duty vehicles, trucks, motorcycles, buses, agricultural machinery, aeronautical and mining equipment.

- Can be used on hi-lift equipment, BMW, Porsche, Mercedes and race cars
- Ratcheting action provides a solid crimp
- Easy to use by inserting terminal and wire then squeezing the handle to complete the crimp
- Wire size range of 20 & 22-gauge wires.

SER **18890**

⚠ **WARNING: This product may expose you to chemicals including Di(2-ethlhexyl)phthalate (DEHP) which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

RATCHETING TERMINAL CRIMPER FOR WEATHER PACK TERMINALS & OTHER OPEN BARREL TERMINALS

Ratcheting terminal crimper works for most Weather Pack terminals without seals and non-insulated open barrel connectors. Made from steel with contoured grip handles. Can be used with the die sets available in #18920 (ratcheting terminal crimping kit).

- Tool ensures every crimp is a perfect crimp.
- Wire size range: 10-22 ga.

SER **18930**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

INFRARED THERMOMETER WITH LASER

Thermometer features an enhanced back-lit LCD display and an expanded temperature range of -36° F to 689° F. Compact design is simple to use and easy to store.

Specifications

Temperature Range: .....-36°-689° F
Operating Range: ..... 32° to 122° F
Distance to Spot: 12:1
Target Indicator: ..... Single laser spot
Power: ..... 14 hrs. Battery life/
.....power off after 15 sec.
Response Time: ..... 1 second

SER **78-3880**

Continental

Autodiagnos™ automotive diagnostic tools from Continental provide service pros with advanced capabilities and state-of-the-art features that make auto service faster, simpler, and more accurate. Autodiagnos tools are easily upgraded, so they can adapt as your service and diagnostics needs evolve.

AUTODIAGNOS™ TPMS SE TOOL KIT

Get fast, easy-to-use TPMS service and support tire service capabilities with the Autodiagnos™ TPMS SE Tool.

- Read, diagnose, and relearn 100% of OE and aftermarket TPMS sensors.
- Relearn coverage for over 95% of domestic, Asian and European passenger vehicles.
- TPMS reset via OBD-II on more than 60% of cars in North America.
- Provides direct (OBD, auto, manual) and indirect TPMS relearn procedures.
- Relearns REDI-Sensor™ TPMS sensors.
- Programs EZ-sensor® and relearns them to the vehicle

Kit Includes: Autodiagnos™ TPMS SE Tool, OBD Connection Cable, Hard Carry Case, Charging / Update Cable

BKN **291000237300**

⚠ **WARNING: This Product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AUTODIAGNOS™ TPMS D TOOL KIT

Get complete TPMS service, TPMS diagnostics, and tire management capabilities with the Autodiagnos™ TPMS D Tool

- Works with 100% of OE and aftermarket TPMS sensors.
- TPMS reset via OBD-II on more than 60% of cars in North America
- Easy software and application data updates via Wi-Fi or through a PC-based update manager.
- Built-in VIN scanner retrieves Year/Make/Model in seconds.
- OBD-II mode relearns sensors in under 2 minutes, quicker than manual or auto relearn procedures.
- Optional tire tread depth gauge helps boost tire sales.
- Read, diagnose and configure 20 aftermarket sensor brands

Kit Includes: Autodiagnos™ TPMS D Tool, OBD-II Module, Relearn Magnet, Hard Carry Case, Continental CD, Charging Cable, Update Cable

BKN **291000237290**

⚠ **WARNING: This Product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AUTODIAGNOS™ TPMS TIRE TREAD DEPTH GAUGE (TTDG) ACCESSORY

- The Tire Tread Depth Gauge allows a user to quickly and accurately measure tire tread depth. In one simple gesture, it can detect worn tires, tire damage and indicate poor alignment and possible worn front-end components
- Accessory to the Autodiagnos™ TPMS D.
- Quickly measure tread depth across a tire on all vehicle tires.
- Measures with an accuracy of: +/-1% + 0.0012 inches (0.03 mm)
- Vibration and audible alerts indicate successful measurement.
- Green, yellow and red color codes on VT56 tool display indicate wear against industry standard thresholds.
- Measures 4 to 7 wheels per vehicle.

BKN **291000237310**

⚠ **WARNING: This Product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AUTODIAGNOS™ PRO SCAN TOOL KIT

For professional technicians who need to diagnose and repair vehicles quickly and accurately, Autodiagnos™ Pro uses some of the most advanced and versatile technology available to quickly diagnose today's sophisticated vehicles.

- New Service Drive Triage feature provides a clear, comprehensive picture of vehicle health, not just DTCs, but also fuel trim and emissions inspection readiness status.
- DTCs reported in 20-30 seconds on average, full vehicle scans in under one minute.
- Fast, accurate data in list, graph, and gauge formats, highly customizable.
- Decodes VIN in seconds.
- Initial purchase includes two years of updates

Kit Includes: Autodiagnos™ Pro, USB cable, Activation Code, Quick Start Guide

BKN **291000233070**

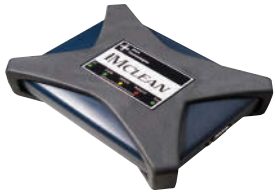
AUTODIAGNOS™ PRO SCAN TOOL DELUXE KIT

Autodiagnos™ Pro is engineered to help you maximize your shop's profitability and accuracy. Autodiagnos™ Pro comes with a VCI and software including updates for two years. You can add to your shop's arsenal by opting for the deluxe kit which includes a powerful 8GB Microsoft Surface Go tablet, pre-loaded with the required software, and matching protective case with a built-in adjustable hand grip.

- Tablet pre-loaded with Autodiagnos™ Pro Software.
- Windows 10 Professional
- Integrated 1080p Web Cam | 8 Megapixel (rear) - 5 Megapixel (front)
- 802.11ac Wireless LAN | Bluetooth 4.1
- 2W stereo speakers with Dolby Audio Premium
- Up to 9 Hours Battery Life

BKN **291000240180**

DREW TECHNOLOGIES
AN OPUS COMPANY



IMCLEAN CALIFORNIA SMOG-CHECK BAR-OIS DAD DEVICE

Designed to work with California's BAR-OIS system. It has already passed BAR's stringent alpha testing. Features heavy-duty cables and connectors, built-in self-tester and cable checker, warranty and automatic firmware download. Includes OBD2 generic diagnostic scan tool software, free lifetime updates to meet BAR requirements, free Windows help tool and videos. Unit has impact-resistant rugged case and soft rubber boot.

BK **396-1202** BAR-OIS DAD Device
BK **396-1203** BAR-OIS DAD Device with Bluetooth connection supporting up to 100 ft.

CARDAQ-M MODULAR KIT

Most OEM validated and compatible universal pass-thru device with upgradable hardware.

- Modular CarDAQ field upgradable for future technologies
- Tech support included for the life of the tool
- Now comes with MegaCAN upgrade for complete Chrysler WiTEch 2.0 compatibility
- Works with J2534 v. 04.04 and V5.00 for long service life
- ToolBox3 educational software included
- OBD2 Capable
- 12 x 12 x 5 in.
- 0-60° C working temperature range

BKN **DRWCDM-CANKT**

DREWLINQ® HEAVY-DUTY, MEDIUM-DUTY & COMMERCIAL DIAGNOSTICS AND PROGRAMMING TOOL

Drew Technologies' DrewLinQ supports heavy-duty, medium-duty, and some OBDII vehicles as well as off-highway, agricultural, military, automotive, and other industrial-stationary equipment in a single device.

- It works with the TMC RP1210 A/B/C compliant applications you currently use as well as other J2534 OBDII pass-thru and diagnostic applications
- Supporting PC-based applications, the DrewLinQ utilizes 4 concurrent CAN (J1939/ISO15765) channels, J1708, J1587 and all OBDII protocols

Contents: DrewLinQ device, 6/9 Deutsch Y Cable, Volvo 2013+ Cable, Crossover Cable, USB Cable, CD and QuickStart Guide

BK **396-5263**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MONGOOSEPRO™ TOYOTA BLUETOOTH DIAGNOSTICS

- MongoosePro series is a low cost, compact tool with all of the electronics integrated inside the cable. Designed to be a complete J2534 tool for specific car manufacturers
- Bluetooth version is a wireless version of MongoosePro Toyota. Can be used while connected with USB or wirelessly connected to the PC via Bluetooth. Great for diagnostics as it allows more freedom for PC placement with an approximate 30' range
- It's highly recommended, however, not to use the bluetooth version while programming vehicle modules
- Toyota has approved the MongoosePro Toyota MFC as a supported interface and will offer it directly to Toyota/Lexus/Scion dealerships and the aftermarket as Techstream Lite
- Techstream Lite is a low cost package for factory diagnostics, service information, reprogramming, health checks, and customization

Contents: (1) Interface, installation CD and users manual

BK **396-5242**

IMREADY EMISSIONS PRE-TESTER

Failed emissions tests can be very expensive for customers. What's worse is when a customer fails the test, has repairs done and then fails the test a second time. After a car is repaired, it must be driven for a certain amount of time so the car's computer system can get ready for the test. If the computer is not ready when the car is tested again, it will fail even though the car may be correctly repaired. Device plugs into the OBD2 port and runs the California emissions test. When connected, the user will see a yellow light indicating the test is running. After the test completes, unit will show green light for pass or red light for failed test. Customer simply waits until they get a green light before they go back to the smog station for a test. Low cost unit can be purchased by customers after repairs are performed or could be rented. Device can also be sold at a test site to verify that the vehicle is ready before the actual test is performed.

BK **396-1204**

DREW TECHNOLOGIES

MONGOOSE VW SCAN TOOL

Host interface: USB with J2534 device driver. Mongoose VW is a low-cost, high-performance reprogramming vehicle interface for VW and Audi vehicles. It is designed to work with VW's ODIS dealership software for diagnostics and reprogramming. Offers a wide range of capabilities to help you grow your business and retain customers including full dealership diagnostics 2004MY and newer using ODIS and reprogramming.

BK **396-5239**

DREW TECHNOLOGIES

MONGOOSEPRO™ HONDA DIAGNOSTICS

- MongoosePro Honda is a low-cost, high-performance J2534 vehicle interface. Supports Honda and Acura vehicles. Provides module reprogramming using Honda's J2534 flashing software. Basic diagnostics functions using DrewTech J2534 toolbox
- MongoosePro series is a low cost, compact tool with all of the electronics integrated inside the cable. Designed to be a complete J2534 tool for specific car manufacturers

Contents: (1) Tool with cable, installation CD and digital users manual

BK **396-5241**

DREW TECHNOLOGIES

J2534 BATTERY MAINTAINER AND CHARGER

- Smart battery charger
- Protective housing
- Reverse polarity protection
- Dual float voltage: 13.6 and 14.2V
- Clean programming power: 90A, "DC Power" (1V AC Ripple)
- Automatic: Float / Absorption / Trickle charging and automatic voltage detection
- Easy storage and carrying
- Step-by-step instructions and exterior solid brass terminals

BKN **DRWBATMTNR90**

EVERCRAFT

OBD2 DIAGNOSTIC CODE READER

Quickly scan and define vehicle Diagnostic Trouble Codes (DTCs) with this easy-to-use, compact code reader with the ability to view freeze frame data, check I/M readiness (emissions) and monitor status. This is a go-to tool for quick vehicle health status.

- Backlit, 128 x 64 pixel display
- 8 to 18 V provided via the vehicle battery
- Compatible with domestic, Asian and European vehicles, 1996 and newer
- Easily detects check engine light (MIL) causes
- Retrieves generic (P0, P2, P3 and U0), manufacturer-specific (P1, P3 and U1), and pending codes
- Turns off check engine light, clears codes and resets monitors
- Multilingual (including English, Spanish, French and German) menus and DTC definitions
- Retrieves vehicle identification information (VIN, CALID and CVN)
- Supports CAN (Controller Area Network) and all other current OBD2 protocols
- 32° to 140° F Operating temperature
- -4° to 158° F Storage temperature

BK **776-9291**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

INLINE IGNITION SPARK TESTER

Quick and easy test helps check the condition of the ignition system at each cylinder. With the engine running, the tool flashes a mirror image of ignition spark. The tester easily connects between the spark plug and spark plug wire. Troubleshoot dirty spark plug connections, defective points, bad cables or connections, and more

BK **776-0017**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

CIRCUIT & SPARK PLUG TESTER

Quickly tests individual spark plug circuits on 6 and 12-volt systems. Locates shorts, grounds and open circuits. Use with power on. Extra-long, 48" lead.

BK **776-9071**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

LOW-VOLTAGE CIRCUIT TESTER

Quickly tests 6 and 12-volt systems. Locates shorts, grounds and open circuits. Use with power on. Extra-long, 48" lead.

BK **776-9070**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

Evercraft™ & FCar

EVERCRAFT™

SPARK PLUG WIRE TESTER

No shock hazard. Locates bad plug wires without piercing the insulation.

BK **776-9074**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

6 IN. SPARK PLUG TERMINAL PLIERS

Safely disconnects wires from spark plugs, while preventing wire damage. Nylon construction insulates technician from shock and heat, providing both safety and comfort. Length: 6".

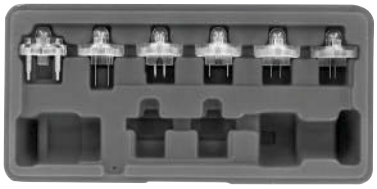
CAUTION: For intended use only. Relieve system pressure prior to use.

BK **776-9050**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

6 PC. NOID LIGHT SET



Noid light set is used for checking electrical impulses from the wiring harness to the fuel injectors. Light features a see-through design to check electrical pulses. Includes GM TBI, GM SCPI, GM PFI, Ford TBI, Geo TBI and Bosch PFI. Comes in a sturdy blow-molded storage case and includes instructions and parts diagram. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8081**

EVERCRAFT™

COMBUSTION LEAK DETECTOR

This combustion leak detector is ideal for finding internal combustion leaks quickly and easily. Designed for professional auto mechanics and heavy-duty applications. Comes complete with a sturdy blow molded plastic carrying case.

- Fluid turns from blue to yellow when combustion leak is present

Applications:

Blown Head Gasket, Cracked Head, Blocked Pulled Bolts, Studs Warped Sealing Surfaces

Item No.	Description
BK **776-1077**	Combustion Leak Detector
BK **776-1104**	Combustion Leak Detector Fluid

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FCAR USA

OBD 2

FCAR AUTO SCAN PRO DIAGNOSTICS SCAN TOOL

- OBD2/CAN Protocols
- Software data and maintenance data updated weekly
- Readout DTC, readout engine model, readout computer edition information, readout system parameter number, readout data stream, Clear DTC, component test, compression test, CPF function, immobilizer, setting of adaptation values, maintenance help and study on line
- 8" True color touch screen
- Micro-printer
- ARM32 digits compare to hardware configuration of industry level
- Built-in operation manual and help system

Contents: Main unit, diagnostic connectors, testing cables and accessories

BKN **FCRUSS-015-F3W**

FCAR USA

OBD 2

FCAR TRUCK PRO DIAGNOSTICS SCAN TOOL

- OBD2/CAN Protocols
- 2.8" True color LCD screen
- J1939 and J1708/J1587 Protocols
- Software data and maintenance data updated weekly
- Read all DTC, clear codes, show live data
- OBD16, Diesel 6, and Diesel 9 pin connectors
- The new tools will scan the most electronic, engine, transmission major components and systems. It has covered most heavy-duty on-highway trucks and off-highway utility vehicles. The scanner quickly responds, easily scans and tests the truck variety components and resets vehicle data, and analyze live data streams, as well as many more special functions. It does auto scan all the components supporting J1708, J1939, and special protocol covered by the OEM manufactory

Contents: Main unit, diagnostic connectors, testing cables and accessories

BKN **FCRUSS-093-F3N**

INDEX

FCAR USA

F35-N TRUCKPRO SCHOOL BUS EDITION

Compact wired diagnostics handheld scanner with full OEM level coverage for most domestic, imported truck and off road equipment.

- Features all testing, calibration and bidirectional functions by manufacturer specific
- Scan and diagnose fault codes with code definitions for engine, transmission, ABS brakes, SRS, body control and all other support electronic controller in car
- Light, Medium, Heavy Duty Truck and Off Road Equipment

BKN **FCAR-015-F3N**

F6 PLUS CAR TABPRO

Compact wireless diagnostics tablet scanner with full OEM level coverage for most domestic, Asian, European Car and light duty truck category.

- IP 67 hardware rating tablet with wireless diagnostic, internet capacity and easy One Click update
- Features all testing, calibration and bidirectional functions by manufacturer specific
- Scan and diagnose fault codes with code definitions for engine, transmission, ABS brakes, SRS, body control and all other support electronic controller in car

BKN **FCAR-017-F6P**

F75-G MASTER TABPRO

The F7SG is a quick and powerful all-in-one wireless Android diagnostic tablet. All software is preloaded with diagnostic code descriptions, live data, calibration and bi-directional functionality to cover car, truck and off road equipment.

- Scan vehicle and automatically identify all ECM and identify trouble code with definition, and also built-in all actuation test and bidirectional/reset functions

BKN **FCAR-017-F7G**

F7S-N TRUCK TABPRO

The F7SN is a quick and powerful all-in-one wireless Android diagnostic tablet. All software is preloaded with diagnostic code descriptions, live data, calibration and bi-directional functionality.

- Scan vehicle and automatically identify all ECM and identify trouble code with definition, and also built-in all actuation test and bidirectional/reset functions
- Wireless diagnostic with user friendly interface, internet APP capability, and cloud printing

BKN **FCAR-017-F7N**

HD TRUCK MASTER PRO DIAGNOSTICS SCAN TOOL

- OBD2/CAN Protocols
- J1939 and J1708/J1587 Protocols
- Supports Engine, Transmission, Brake, Turbocharger, Axel, Power Unit, Trailer, and Instrument Cluster systems
- Software Data and Maintenance Data updated weekly
- The newest F3-D truck scanner is designed for diesel engine eletronic system and it has coverage global main heavy duty truck. The scanner does quickly and easily scan and test the truck variety component failure
- 8" True Color Touch Screen
- Micro-Printer
- ARM32 digits compare to hardware configuration of industry level

Contents: Main Unit, Diagnostic Connectors, Testing Cables, Accessories

BKN **FCRUSS-093-F3D**

MASTER PRO AUTO AND TRUCK DIAGNOSTICS SCAN TOOL

- OBD2/CAN Protocols
- J1939 and J1708/J1587 Protocols
- Supports Engine, Transmission, Brake, Turbocharger, Axel, Power Unit, Trailer, and Instrument Cluster systems
- FCAR F3-G diagnostic master scanner has the most coverage of gasoline passenger vehicle, light truck/pick up and diesel heavy duty truck, including domestic, European and Asian cars, HD truck and off road equipment
- Software Data and Maintenance Data updated weekly
- 8" True Color Touch Screen
- Micro-Printer
- ARM32 digits compare to hardware configuration of industry level

Contents: Main Unit, Diagnostic Connectors, Testing Cables, Accessories

BKN **FCRUSS-093-F3G**

FCar & Hella®

FCAR USA

HEAVY-DUTY CODE PRO

The F506 is a quick and powerful handheld code reader ideal for truck repair, fleet maintenance and road service professionals. All software is preloaded with diagnostic code descriptions and easy access all sensor live data.

- Scan and collect predefined dataset from vehicle information or real time sensor data
- Save and export to Excel formats
- Communicates on trucks with J1708, J1939 and OBD2 automotive coverage. Including Hino, Mitsubishi Fuso, Isuzu and Nissan UD commercial vehicles model years 1992 to current
- Scan and diagnose fault codes with code definitions for engine, transmission, ABS brakes, instrument cluster and body control
- For Light, Medium, Heavy Duty Truck and OBD2

BKN **FCAR-017-F56**

HELLA®

EURO

MEGA MACS PC SOFTWARE SOLUTION

Mega Macs PC is the first software solution from Hella Gutmann Solutions which transforms your PC into a full-fledged diagnostics station. Ideal for everyone who wants to conduct professional diagnostics and guided repairs directly from computer.

- Simple and self-explanatory
- Print function
- Graphical user interface
- Intuitive menu structure
- No need to invest in additional hardware

Contents: Module, USB Flash Drive with Software & Instructions, Bluetooth Dongle, USB Cable, Guide, Lanyard, Mouse Pad, Sticker Set

BKN **HELS40026**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HELLA®

EURO

MEGAMACS 42 SE HANDHELD SCANNER

Mega Macs 42 SE can read out every ECU and system in the vehicle. Helps localize the causes of troubles and indicates connections and components. Gives specialized service workshops a powerful tool.

- Membrane keypad
- Quick release battery pack
- LCD-TFT color display

Contents: Unit, DT VCI, Bluetooth Adapter, USB Cable 1.8 m Micro, USB Interface Cable Macs 42, Guide, Supply & Lead, Charging Cable, User Manual CD

BKN **HELS42080**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HELLA®

EURO

MEGA MACS 56 DIAGNOSTIC TABLET

Mega Macs 56 is a mid-range diagnostic tool equipped with top features and specifications you would usually only expect to see on top of the range models.

- Power processor for faster fault-finding
- Future ready
- Reliable technical support
- High resolution 10.4" full color display

BKN **HELS56040**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HICKOK | WAEKON

CIRCUIT TESTER

- Red/Green LED's: Identify power and ground
- Normal Mode: Measure DC voltage
- High visibility, simple to use, one handed dynamic automotive voltage testing. Indicates power and grounds. Test the vehicle's circuits ability to deliver current and identify loose, corroded or broken wires
- Glitch Capture Mode: Displays intermittent increase/decrease in voltage
- Circuit Loading Mode: Test circuit's ability to delivery current (voltage drop testing)
- Captures intermittent spikes or drops in voltage. Take voltage snapshots in any mode, any time
- Voltage Snapshot: Tap mode button to lock reading in any mode
- Computer Safe: Safe to use on complex vehicle systems
- **Contents:** VoltPro, 4" probe extension, 2' battery adapter and zippered storage case

Specifications

Operating Voltage:	12 Volt DC
Rate:	100/sec
Resolution:	.01 VDC
Range:	0-99.9 VDC
Accuracy:	+ or - 1% full scale
Resolution:	0.1 VDC
Sample Rate:	100/sec
Voltage Range:	0-99.9 VDC

BKN **HIC76600**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HICKOK WAEKON

COIL ON PLUG (COP) IGNITION TESTER

- Voltage snapshot mode button to lock reading in any mode
- Auto-set gain calibration calibrates itself to provide the most accurate data for multiple styles of COP ignition systems
- No COP removal required. Saves time and tests COP ignition under true operating conditons
- View trend data for visual verification of intermittent misfires that may not set codes. The 6 cable with 9" probe (2½" bendable arm) allows access to hard to reach COP's. Auto-set function means it works on multiple styles of COP ignition systems
- Real-Time kV and mS to measure secondary circuits breakdown voltage and arc/burn duration time individually as they happen
- Easy two button operation is simple to operate while providing advanced ignition data
- Misfire counter and indicator catches intermittent problems that don't set a Diagnostic Trouble Code (DTC)
- COP interceptor provides advanced ignition diagnostics over and above scan tools and is simpler than an oscilloscope to operate. Measure, display and save each coil on plugs secondary ignition data in real time for detailed ignition analysis

Contents: COP interceptor, 9" probe plus 2½" bendable arm, high sensitivity receiver pad, low sensitivity receiver pad, 9 volt battery and soft zipper case

Specifications

Operating Voltage: ..... 9 volt
Breakdown Voltage Measurement Range: ..... +/- 30kV
Arc Duration Measurement Range: ..... 0.3 - 5.0 mS
Resolution: ..... 0.1kV and 0.01 mS
Multi-Strike Ignition: ..... First V event, Last mS events are displayed
Misfire Detection: ..... Functional from 240-4000 RPM
ARC Duration: ..... 0.3 - 5.0 mS

BKN **HIC76564**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SECONDARY IGNITION PICKUP

- Comes with two adapters for use on secondary ignition wires and coil on plug ignition systems. Used with Auto Wave, SIP provides a window into what's going on in the combustion chamber
- Long flexible probe provides easy access for hard to reach ignition systems
- Works on secondary ignition wire and COP ignition systems
- The high impedance active pickup acquires high voltage waveforms
- The secondary ignition pickup adapter is specifically designed to acquire high voltage secondary ignition waveforms for viewing on the 75000 Auto Wave. The SIP adapter has a long flexible probe for those hard to reach ignition systems

BKN **HIC75300**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

VOLTAGE / SIGNAL WAVEFORM VIEWER

- Zoom and pan adjusts the view of the signal for a more detailed wave form
- Auto set automatically sets time and voltage scale adjustment for the viewed signal or voltage
- Color LCD display for easy viewing of the waveform time and voltage scale
- Accurate readings with a sample rate of up to one million samples/second
- 4GB Micro SD card saves waveform snapshots for later review on the tool or a PC
- Scope out voltage without the scope. Quickly and easily verify signals and voltages, present in waveform format on multi-color LCD screen. Auto set and pan/zoom functions adjust the voltage and time scales so you can view waveforms in greater detail
- Capture and save waveforms to the 4GB SD card for detailed analysis and viewing on a PC. Auto Wave is a must have for any technician who wants to save diagnostic time accessing detailed waveform data

Contents: Main unit, 4" signal probe, 3' signal extender cable, 9 volt battery, 4GB SD card and PC adapter, 5' ground cable and storage case

Specifications

Voltage Ranges: 150V, 100V, 50V, 20V, 5V, 2V, 1V
Sample Rate: .....1Ms/Sec @ 100uS/Division
Input Range: ..... +/- 150V. Voltmeter +/- 150V DC
Storage: ..... up to 9999 waves on SD card
Operating Voltage: ..... 9 Volt DC

BKN **HIC75000**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SPARK PLUG / IGNITION QUICK PROBE TESTER

- Each time the unit detects a spark firing it will flash the bright LED strobe indicating sufficient kV and flash the green LED indicating sufficient Arc Duration
- Eliminate the need for back-probing coil wires and disassembly to test at the coil connector or spark plug
- Simply press the 7" long antenna probe against the ignition coil and use the thumb-wheel to adjust the sensitivity until the LEDs begin flashing
- Allows the technician to determine if the coil is firing the spark plug consistently, intermittently misfiring or not firing at all
- The COP Quick Probe VS is a battery-operated, hand-held tester designed to easily and quickly determine if a COP is producing a proper spark for the plug
- Variable sensitivity for greater diagnostic accuracy and expanded application coverage

Specifications

Operating Voltage: ..... 3 Volt DC
Probe Length: ..... 7"

BKN **HIC76562**

⚠ WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ELECTRONIC FUEL INJECTOR QUICK PROBE TESTER

- Simply press the 7" long probe tip against the injector body, adjust the sensitivity using the thumb-wheel then the bright LED strobe will flash each time the injector opens and closes
- Works on gas and diesel engines
- Strobe allows you to determine if the injector is firing consistently, misfiring or not firing at all
- Limited Lifetime Warranty
- Probe is specifically designed to detect the vibrations emitted when the injector fires
- No hunting for injector wires to test at the connector or injector removal required
- The Universal EFI Quick Probe is a battery-operated tester designed to quickly determine if a fuel injector is firing by detecting a mechanical vibration, such as a fuel injectors pintle movement

Contents: Universal Electronic Fuel Injector Quick Probe, 7" removable probe tip, User Guide, 3-volt CR2032 lithium battery.

Specifications

Operating Voltage: ..... 3 Volt DC
Probe Length: ..... 7"

BKN **HIC76462**

⚠ WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

MULTI-PURPOSE LINE PRESSURE TESTER

- Remote readings - fuids stay at the test point. The 10' cord enables the readout to be inside the vehicle while fluids remain outside
- Versatile and accurate -30 inHg to 350 PSI digital gauge, +/-1% accuracy. Used to test fuel, oil, or transmission line pressure on both gasoline and diesel engines. Adapts to most popular pressure test kit adapters
- Large back-lit readout offers superior readability in low lighting or sunlight
- Heavy-duty case and digital readout is more robust than analog gauges, no mechanical parts to go out or calibration
- Displays PSI, KPA, inHg, and BAR, no need to convert measurements
- Min/Max feature captures road-test pressure drop-outs
- Digital accuracy provides fast repeatable results during injector pressure drop tests

Specifications

Accuracy: ..... +/- 1% Full Scale Pressure Range
Measurement Range: ..... -30 inHg to 350 PSI
Operating Voltage: ..... 6 Volt DC
Specifications: ..... -30 inHg to 350 PSI

BKN **HIC48165**

⚠ WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ABS WHEEL SPEED SENSOR PINPOINT TESTER

- Works on all old and new style wheel speed sensors
- Visually verifies sensor signal output
- Perform all pinpoint diagnostics right in the service bay - no road test required
- Identify sensor shorts or opens
- The ABS Sensor Pinpoint Tester is the quickest way to verify proper wheel speed sensor operation right from the service bay, no road test required. Simply connect the tester to the sensor and spin the wheel right in the service bay
- Signal simulation enables easy wire harness testing
- The parade of LEDs provide visual confirmation of signal output. The signal error LED indicates erratic or intermittent signal output
- When used with a scan tool that provides wheel speed sensor data, the signal simulation feature simplifies pinpointing wire harness and ECU problems

BKN **HIC20560**

⚠ WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ELECTRONIC LED TEST LIGHT KIT

- Dual audible tone and bicolor LED indicate power, ground or open circuits
- Super bright LED headlamp, great for working under dash, under hood or behind door panel
- Works on 6V, 12V, 24V and 42 volt circuits. 42 Volt hybrid compatible.
- All the advantages of a test light but can be used across a wide variety of voltage ranges
- Microprocessor controlled current loading capability for a true test of powers and grounds. All the advantages of an incandescent test light, but computer and air bag safe
- Single hookup allows you to identify power and ground in 12V, 24V, and 42V automotive circuits. The tester is computer and air bag safe using unique electronic circuitry to load the test circuit without drawing excessive current

Contents: SST42V pistol probe, 4" probe extension, screw-on alligator clip, banana plug and blow-molded case

Specifications

Operating Voltage: ..... 6, 12, 24, 42 Volt DC
Probe Length: ..... 4"
Cigarette Plug Connection: ..... 8-45 Volt DC (Under 35 mA)
Probe Tip Input Range: ..... 0-50 Volt DC
Green/Low Tone: ..... 0-1.5 Volt DC (Ground)
Red/Medium Tone: ..... 7-16 Volt DC (Normal 12 Volt DC Battery Power)
Yellow/High Tone: ..... 16-50 Volt DC (Hybrid Power)

BKN **HICSST42V**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information visit www.P65Warnings.ca.gov.**

INNOVA TABLET

The Innova 7111 provides enthusiast DIYer's and pros with OEM level services, in an advanced and easy to use tablet form factor with an intuitive user interface to help you find the fix faster. Plus a removable VCI allows remote diagnostics for better multitasking so you can get the job done faster.

- Guided diagnostics allows you to save time with the all new intelligent user interface
- All System Network Scan lets you comprehensively read and clear ECU modules and their trouble codes
- Vehicle Health Reports allow you to save and email diagnostic reports for personal use or to send to customers
- Premium Access to RepairSolutions2 so you find the right fix and get the right parts instantly within the tablet's interface
- Test ABS Codes, Oxygen (O2) Monitor Tests, Check Engine Codes, Transmissions

BK **700-0120**

DIAGNOSTICS SCAN TOOL

This INNOVA® Diagnostic scan tool is ideal for the entry-level pro, savvy DIYer or to speed up work in busy shops by providing the tools and information to quickly and efficiently troubleshoot OBD2 and ABS problems on today's vehicles.

- Reset the oil service light on most 1996 and newer OBD2 vehicles
- View live data in real time for more accurate troubleshooting and diagnosis
- Read and erase ABS light trouble codes for most GM, Ford, Chrysler, Honda and Toyota vehicles
- Read and erase check engine light warnings on any foreign or domestic 1996 and newer car, light truck, SUV or Hybrid
- Battery/Alternator test checks the performance of a vehicle's battery and alternator maintenance reminders, TSB and recall notifications and more

BK **700-0100**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

DIAGNOSTIC SCAN TOOL

An advanced tool for the professional tech, yet user-friendly for the DIYer. This scan tool is a great choice for anyone looking to stream and record live data, diagnose check engine, ABS and SRS lights, reset oil maintenance and battery maintenance lights, or initialize a battery of OBD2 vehicles. Additionally, this scan tool retrieves OEM-enhanced trouble codes and performs KOEO, KOER, timing check, cylinder balance, output state and wiggle tests on popular OBD1 vehicles from 1982 to 1995.

- Read and erase BS & SRS trouble codes on most OBDII Domestic, Asian and European vehicles
- Read and clear check engine lights on any foreign or domestic 1996 and newer OBD2 car, light truck, SUV and even Hybrids

BK **700-0101**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARSCAN PRO SCAN TOOL

CarScan PRO is Innova's top of the line tool for professionals. It incorporates a 3.5 in. LCD all-in-one display that has all the space needed to simultaneously stream, record, and graph up to four ABS, SRS or powertrain live data parameters.

- Reads and clears check engine light codes & ABS/SRS codes
- Patented all-in-one display
- Battery/alternator/charging system test
- Bluetooth enabled mobile app compatibility
- Oil & battery light reset and battery initialization
- Vehicle network scan
- 1 Year subscription to Repair Solutions Pro

Contents: (1) CarScan Pro Scan Tool, (1) USB Cable, (1) LED OBD II Cable, (1) Quick Reference Guide, (1) Carrying Case, (3) AA Batteries

BK **700-3692**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA DIAGNOSTICS MADE EASY

CARSCAN ABS/SRS SCAN TOOL

CarScan ABS/SRS delivers the durability and functionality Innova is known for and adds new advanced features such as Network Scan and ABS & SRS live data to help you fix cars right the first time. It'll quickly become your favorite tool in the tool box.

- Patented all-in-one display
- Battery/alternator/charging system test
- Vehicle network scan
- 6 Month subscription to Repair Solutions Pro
- Graph up to 2 ABS, SRS or Powertrain live data parameters simultaneously
- Bluetooth enabled mobile app compatibility
- Oil and battery light reset and battery initialization
- Reads and clears check engine light codes and ABS/SRS codes

Contents: (1) CarScan Pro Scan Tool, (1) USB Cable, (1) LED OBD II Cable, (1) Quick Reference Guide, (1) Carrying Case, (3) AA Batteries

BK **700-3691**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CAN OBD1 AND OBD2 VEHICLE DIAGNOSTICS SCAN TOOL KIT

Designed to retrieve diagnostic codes in all OBD2 and most popular OBD1 vehicles. Features all-in-one color screen display for quick emissions check. Unit can be updated with standard Windows PC, display freeze frame data.

Contents: (1) diagnostic tool, (4) OBD1 connectors, (2) soft cases and (1) instructions.

BK **700-2611**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CAN OBD2 CAR READER

Perfect entry level tool designed to empower any consumer when it comes to vehicle maintenance. Automatic refresh updates data every 30 seconds to verify repair completion. Features all-in-one color screen display for quick emissions check.

BK **700-2612**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CAN / OBD2 VEHICLE DIAGNOSTICS SCAN TOOL

Patented all-in-one screen color display for quick emissions check. Displays freeze frame data, memory / battery backup for off-car review and analysis. Unit can be flash updated with standard Windows PC.

BK **700-2613**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CAN OBD2 ABS TOOL

Powerful OBD2 tool quickly reveals Check Engine light warnings. Features patented all-in-one color screen, automatic refresh updates data every 30 seconds. Unit can be flash updated with standard Windows PC.

BK **700-2610**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

HANDS-FREE DIGITAL MULTIMETER

INNOVA® Hands-Free™ DMM is your personal home and auto electrical tester. Use this versatile and affordable tester to safely and accurately troubleshoot a variety of automotive and household electrical problems. Household uses include: outlets, fuses, wiring, general-purpose batteries, electronic hobbies and more. Automotive uses include: circuits, breakers, wiring, vehicle battery and charging systems, electrical components and more.

- U/L listed for safety and quality
- Easy-to-read instructions in English, French and Spanish
- 10 MegOhm circuitry prevents damage to sensitive automotive electronics
- Includes wrist-mounted band, stand and lead holders to free up hands for testing

BK **700-0102**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

AUTO-RANGING DIGITAL MULTIMETER

Auto-ranging digital multimeter scales eliminate the need to dial in the correct range when making electronic measurements. Household uses include: outlets, fuses, wiring, general-purpose batteries, electronic hobbies and more. Automotive uses include: circuits, breakers, wiring, vehicle battery and charging systems, electrical components and more.

- U/L listed for safety and quality
- Auto shut-off feature
- 10 MegOhm input impedance for safe automotive use
- Single-setting resistance function for voltage (AC & DC)
- Protective rubber corner guards for drop protection
- Easy-to-read instructions in English, French and Spanish
- Large digital display and color-coded LEDs display battery quick check

BK **700-0103**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA
DIAGNOSTICS MADE EASY

AUTOMOTIVE DIGITAL MULTIMETER

INNOVA® Automotive DMM™ provides professional quality features to help pinpoint engine problems. It measures inductive RPM pickup and vehicle RPM (including coil-on plug vehicles), up to 15 amps for device testing, and temperature in both Celsius and Fahrenheit. It tests alternator diodes, duty cycle, solenoids, breaker points, wiring, switches and more.

- 10 MegOhm impedance prevents damage to ECU (engine control unit)
- U/L listed for safety and quality
- Min/Max and Hold buttons save retrieved data
- Rugged corner guards provide drop protection
- Auto-Ranging, auto shut-off, over-load protection
- Automatic zero adjustment, reverse polarity protection
- Easy-to-read instructions in English, French and Spanish

BK **700-0104**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

DIGITAL MULTIMETER AMP PROBE

Digital multi-meter inductive amp probe is ideal for testing alternator output, starter and battery current draw and all other electrical wiring circuits. It's designed to work with all digital multi-meters and measures parasitic draw.

- 2-foot test lead
- Zero adjuster for calibration
- Operating range: 0-60 amp AC/DC
- Ergonomically designed for easy use
- Easy slide switch for measurement selection
- Red/Green indicator light shows power and low battery

BK **700-0105**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

REMOTE STARTER SWITCH

INNOVA® remote starter switch cranks engine from under the hood without the help of an assistant. It's ergonomically designed grip fits safely and comfortably in user's hand.

- Extra-large insulated metal clips
- Durable shock resistant ABS plastic housing
- Heavy-duty 6-foot oil and grease resistant leads
- Do not crank the engine for more than 15 seconds at a time

BK **700-0115**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CIRCUIT TESTER/TEST LIGHT

Circuit tester / Test light helps to quickly identify if there is voltage present on wiring and circuits. The transparent handle shows bright LEDs to identify connections.

- Green LED = Ground present
- Red LED = Voltage present
- Ergonomic grip design with 6-foot test leads

BK **700-0106**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

SMART TEST LIGHT™ CIRCUIT TESTER

Smart Test Light™ is designed to safely check voltage and/or ground on several electronic systems including wiring, fuses, batter, cabling, sensors, switches and more. It connects using a vehicle's cigarette lighter / power plug and detachable twin alligator clamps. The 6-foot leads provide long reach connection and the unique transparent handle shows bright LEDs to identify connections.

- White LED = Proper connection to source
- Green LED = Ground present
- Red LED = Voltage present

BK **700-0107**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA CIRCUIT TESTER

Test switches, relays, fans, window motors, fuses, wiring, pumps, lighting and more with this versatile tool. Our patented swivel head straight and pistol positions allow easier access for hard to reach areas.

- Compatible with 6 V, 12 V and 24 V systems and Output 3 V, 5 V and 12/24 V
- The built-in automatic circuit breaker and 10MegOhm impedance helps keep the tool and parts safe while testing
- The built-in display and voltmeter help measure voltage to diagnose and inspect electrical systems, including alternators and batteries
- With multiple ways to connect, you can use the included cigarette adapter for in-car testing or the battery leads for a direct connection

BK **700-0121**

INDEX

INNOVA DIAGNOSTICS MADE EASY

DIGITAL TEST LIGHT CIRCUIT TESTER

Digital test light offers quick voltage readings of electrical circuits by simply connecting a 6 ft extension cable to battery and use metal probe to test circuits. Ideal for checking continuity of diodes, relays and switches.

- Large LCD screen
- Easy grip handle
- Detachable 2 inch metal test probes
- Two color LEDs show low (red) or fully charged (green) voltage

BK **700-0108**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA® DIS INDUCTIVE TIMING LIGHT

Best-selling, one-hand operated timing light is a must have for every tune-up kit. Features an innovative slim, rotating barrel, which enables better aim at timing marks. Works on domestics and imports with most ignition systems, including: DIS, conventional, electronic and computer-controlled. Allows technicians to check timing, diagnose no-spark conditions, check for electronic advance/retard, and more. Also features protective hand guard, detachable leads with metal inductive pickup, and patented skip circuitry test for up to 9,990 RPM.

BK **700-2501**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

BATTERY MONITOR

Battery Monitor™ easily plugs into a vehicle's cigarette lighter or power receptacle to monitor battery and charging system voltage. LCD screen displays measured voltage with a bar graph to indicate battery charge level and color-coded LEDs quickly identify battery's charge status.

- Designed for 12 volt negative ground systems
- Head pivots for easy viewing and angle adjustment

BK **700-0109**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

TIMING LIGHT

INNOVA® advance timing light enables users to check base timing, mechanical advance or retard and electronic advance or retard applications.

- Protective hand guard
- Detachable leads, metal inductive pickup
- Patented Skip Circuitry Test up to 9,990 RPM
- Slim, rotating barrel for better aim at timing mark
- Direct reading advance scale adjusts from 0-60 degrees

BK **700-0111**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA® DIS PROFESSIONAL DIGITAL TIMING LIGHT

One-hand-operated timing light features heavy-duty ABS/polycarbonate shock-proof housing, molded boots and built-in hand guard for protection. Innovative, slim rotating barrel enables better aim at timing mark. Switches from two- to four-cycle and features patented 9,990 RPM. Includes detachable 6' leads with metal inductive pick-up. Four-function digital readout features easy-to-read backlit LCD. Molded-plastic storage case included.

Four-Function Digital Readout

1. Tachometer 249-9,990RPM
2. Advance (Two- and Four-Cycle): 0°-90°
3. Dwell: 0°-180°/2-12 Cylinders
4. Voltage: 10-16V DC

BK **700-2502**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INSPECTION CAMERA

The Innova 2.7 inch color LCD inspection camera is a must-have tool for automotive repair work and inspections. Reach and view areas previously thought impossible.

- 6 bright illumination LEDs
- IP67 rated submersible lens
- High resolution 2.7 in. color display

Contents: Inspection camera, mirror, hook, magnet

BK **700-0001**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA DIAGNOSTICS MADE EASY

FUEL INJECTION PRESSURE TESTER

Fuel injection pressure tester helps to identify and diagnose low fuel pressure, a faulty fuel pressure regulator, leaking injector(s), fuel leaks and/or clogged fuel filters.

- Large, easy-to-read 2.5 inch dial face with 0-100 PSI scale
- Durable 16 inch gauge hose and 6-foot bleed-off hose with solid brass fittings
- Includes Ford, GM and Chrysler test adapters and a Tee adapter for import vehicles

BK **700-0116**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA DIAGNOSTICS MADE EASY

COMPRESSION TESTER

Compression tester kit features a large, easy-to-read dial face with dual-calibrated and color-coded scales. The testers side release valve allows repeated tests without disconnecting the hose. Adapters are also included for broader applications such as motorcycles, ATVs, snowmobiles and watercrafts.

- Heavy-duty Bourdon tube meter movement
- Quick disconnect fitting for easy installation
- 15 inch rubber hose with 14 mm and 18 mm adapters

BK **700-0112**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA DIAGNOSTICS MADE EASY

COMPRESSION TESTER PLUS

Compression tester kit features a large, easy-to-read dial face with dual-calibrated and color-coded scales. The testers side release valve allows repeated tests without disconnecting the hose. Adapters are also included for broader applications such as motorcycles, ATVs, snowmobiles and watercrafts.

- 15 inch high pressure hose with stainless steel casing and 14 mm and 18 mm adapters
- Direct shaft attachment allows for quick testing
- 14 mm long reach adapter for long reach spark plug applications
- 2.5 inch gauge diameter
- 300 psi

BK **700-0113**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INNOVA DIAGNOSTICS MADE EASY

FUEL PUMP TESTER VACUUM GAUGE

Vacuum / Carburetor fuel pressure tester helps to identify and diagnose system vacuum leaks and problems in the engine, as well as the various vacuum-operated motors and accessories. It accurately checks system fuel pressure on vehicles that are equipped with carburetors.

- 24 inch oil resistant rubber hose
- Heavy-duty Bourdon tube meter movement
- Large, easy to read 3.5 inch dial face with dual-calibrated and color-coded scales

BK **700-0114**

⚠ **WARNING: This product can expose you to chemicals including DiNP, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

IPA FUTURE NOW. INNOVATIVE PRODUCTS OF AMERICA®

3 PC. DIAMOND-TIP ELECTRICAL TERMINAL CLEANERS

Features highly-durable and abrasive coatings that clean and enhance connections to reduce diagnostic guesswork and increase overall harness life. The set includes a large, medium and small cleaner for the most common electrical connectors. Use one prong of the tip to clean a female pin, or use both tips to grip and scrape corrosion off the male pins. Reduces diagnostic guesswork by eliminating bad connections. Removes corrosion and extends harness life. Works on both male and female connectors. For flat pin or spade style terminals. Includes premium quality holster with magnetic clasp.

SER **8040**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

LAUNCH

X-431 TORQUE III SCAN TOOL

- OE-level U.S. vehicle coverage as well as Asian, European coverage from 1996 and newer
- Optional ADAS calibration application to calibrate LDW, RCW, AVM, NV, BSD and ACC system accurately
- Guided VW and Audi functions
- OE-Level bi-directional functionality
- TECH 2 TECH remote diagnostics and technician collaboration
- Vehicle health report feature gives comprehensive status on all onboard systems of vehicle
- Auto Detect VIN to access vehicle info within seconds
- Web browsing capability on the Android 9.0 platform with Wi-Fi connectivity
- OE vehicle approved Security Gateway access by FCA certified
- Code Assist by Indentifix, access most common fixes and repair solutions with corresponding DTCs
- Monitor vehicle's voltage by real-time displaying the data during diagnosing
- Case and instruction manual included

Specifications

Touch Screen: ..... 10.1 / 1920x1200 IPS
Processor: ..... 1.8 GHz Octa-core
Memory: 3GB
Storage: ..... 32GB + 32GB (SD Card)
Camera: ..... Front 5MP, Rear 8MP
Battery: 7000mAh
VCI Connection: ..... Bluetooth 4.2
VCI Adapter: ..... DBScar V

BKN **LAT301190720**

X-431 THROTTLE III SCAN TOOL

- OE-level U.S. vehicle coverage as well as Asian, European coverage from 1996 and newer
- Smartlink allows for rapid diagnostics of light, medium and heavy-duty vehicles
- QC Quick Charge Technology (Battery charges fully in 2.5 to 3 hours)
- Guided VW and Audi functions
- OE-level bi-directional functionality
- Support Communications protocol CAN/CANFD/DoIP and automotive standards J/D-PDU/RP1210
- TECH 2 TECH remote diagnostics and technician collaboration
- Vehicle health report feature gives comprehensive status on all onboard systems of vehicle
- Auto Detect VIN to access vehicle info within seconds
- OE vehicle approved Security Gateway access by FCA certified
- Code Assist by Identifix, access most common fixes and repair solutions with corresponding DTCs
- Monitor vehicle's voltage by real-time displaying of the data during diagnosing
- Topology module mapping overview virtually the all-systems communication status
- "NEW" Pin detection function to detect pin volt, data rate and protocols
- Case and instruction manual included

Specifications

Touch Screen: ..... 13.3 / 1920x1080 IPS
Processor: ..... 2.0 GHz Octa-core
Memory: 8GB
Storage: 256GB
Camera: ..... Front 8MP, Rear 13MP
Battery: ..... 9360mAh @ 7.6V/71.1Wh
VCI Connection: ..... 2.4GHz & 5GHz dual WiFi
VCI Adapter: ..... Smartlink

BKN **LAT301180833**

X-431 O2-1 SCOPE BOX

Featuring a new design and upgraded hardware, the Launch O2-1 Scope Box is a versatile, easy-to-use module that detects high level faults on various electrical components, such as sensors, actuators and circuits. By integrating with the Xp431 series scan tools via O2-1 application, the O2-1 delivers accurate and conclusive diagnostic faults that enable the shop and technician to enlarge its scan tool's functionality.

- ECU Troubleshooting and diagnostics
- Features the ability to record and play back high-resolution waveform data for future analysis. One key enable function allows the user to capture a particular waveform which makes the process 70% more efficient as compared to other scopes
- Access to 23 variants of automatic measurements that are displayed on one screen for an easy switch
- Ability to input names and characters directly by clicking on the virtual keyboard, this operation streamlines the process and contributes to 90% efficiency
- Buffer memory up to 50M
- Use the zoom in/out feature to review precise details
- Customizable personal system settings that can be saved as configuration files for viewing
- The self-calibration function allows optimization of the oscilloscope signal path for maximum measurement, accuracy
- Magnifies waveform math operations, such as addition, subtraction, multiplication and FFT function for high level waveform analysis
- Multiple automotive tests that include circuits, sensors, actuators, ignition tests and more
- Multi language user interface
- USB Sync data transfer to external devices such as laptops, tablets, etc.

BKN **LAT301180831**

X-431 TSGUN TPMS TOOL

- Read tire pressure and temperature, battery status
- Diagnose tire pressor sensor
- Tire pressure learning
- Read, copy and write sensor ID
- Active and match all 315MHz/433MHz sensors
- Covers 98% of global vehicles with tire pressure system
- 1.77 in. color screen
- -20°C – 60°C/4°F – 140°F
- Hand-held add-on TPMS tool for x431 Professional Tools
- Add on to the x431 Turbo, Torque, Torque III, Throttle and Throttle III
- Complete TPMS sensor functions such as activation, reading, diagnosis, relearns and programming

BKN **LAT301180825**

X-431 S2-1 SCAN TOOL

- Simulate real work driving conditions and cycles
- Simulate valid signals by sensors with high fault ratios
- Validate concise signal characteristics for vehicle sensors
- View data streams to validate whether the ECU is functioning within normal parameters
- Case and instruction manual included

BKN **LAT301180808**

LAUNCH

CRP ELITE DIAGNOSTIC SCAN TOOL

CRP Elite is a brand new high-end diagnostic tool based on Android 7.0. It carries on LAUNCH advantages in the vehicle diagnostic technology, such as abundant special functions, models wide coverage, powerful test functions, professional test report, etc. Also, it adds the AutoDetect function to access the diagnosis in a short time. Moreover, it supports test report sharing by emails and software updating via internet.

- 1G memory, 8G built-in storage
- 4000 mAh polymer lithium ion battery
- With the local maintenance history record, users can view the vehicle records that this equipment has diagnosed
- Support frequently used special functions such as oil light reset, SAS, EPB, ABS bleeding, BMS, DPF regeneration and injector relearn
- Through AutoDetect, it is possible to read the vehicle information, such as VIN, to look up the history diagnostic record and to access the diagnosis in a short time

BKN **LAT301050451**

X-431 THROTTLE DIAGNOSTIC SCAN TOOL

X-431 Throttle is the newly developed high-end comprehensive diagnostic equipment with charging base compatible with the Android 7.1 system, supports dual 5GHZ WIFI communication, has a wide coverage of models, strong diagnostic capabilities, accurate detection data and other characteristics and the equipment protection level is IP65.

- Support a diversity of data streams display modes
- Upgraded camera, front 8 million pixels and rear 13 million pixels
- Support extension modules: battery, borescope, ignition, multimeter, oscilloscope, sensor
- Wide coverage of vehicle models, strong diagnostic functions, accurate diagnostic data and more special functions
- Support remote diagnosis technology between equipment and equipment terminal, and between equipment and remote desktop

BKN **LAT301180595**

CRP 339 DIAGNOSTIC SCAN TOOL

CRP 339 has a Bluetooth enabled wireless vehicle interface (dongle) that boasts full OEM enhanced access.

- Wireless to the car
- Android™ bases
- WiFi enables
- Multiple graphs
- Erases fault code
- Personal Computer and Mac Compatible
- Shock resistant plastic body
- ABS Codes, Check Engine Codes, Transmissions
- Upgradable
- 20.5" L x 4.7" W x 14.4" D

BKN **LAT301230021**

⚠ **WARNING: Cancer - WWW.P65Warnings.ca.gov.**

DIAGNOSTIC SCANNER

Featured with brand-new upgrade system, X-431 TURBO is new designed for All Makes, All Models and Full system diagnosis and assists the technician to make the vehicle diagnosis and repair easier at all skill levels.

- OE-level coverage
- One-click upgrade online
- Customized Lenovo tablet with high stability
- All makes, all models and full system diagnosis
- Quick access to diagnose by the diagnostic records
- Support read DTC, clear DTC, read data stream and full functions
- Remote diagnosis and diagnostic feedback to get timely expert and coworker support
- Support online inquiry and review abundance maintenance information to simplify the diagnosis process
- OBD1 and OBD2
- Tests ABS Codes, Check Engine codes, Oxygen (O2) Monitor Tests, Transmissions

Contents: (1) Scanner, (1) Dongle, (1) Cable, (1) Charger, (1) Manual, (1) Set of Paperwork

BKN **LAT301190659**

PAD III HIGH END ANDROID 8 BASED DIAGNOSTIC SCAN TOOL

Pad III V2.0 is a high-end auto fault diagnostic tool that supports intelligent diagnosis and online programming. Pad III 2.0 is a new generation of landmark product created on the basis of a mature hardware product. Pad III has deeply optimized the system layer, greatly improved the system response speed and optimized the user experience.

- Remote, intelligent diagnosis
- Wide car model coverage
- In-depth system-layer optimization of operation experience

BKN **LAT301180631**

GEAR SCAN PLUS DIAGNOSTIC SCAN TOOL

Gear Scan Plus is a brand-new high-end diagnostic tool based on Android™ 7.0. It resets and records all vehicles diagnosed.

- Intelligent diagnosis and VIN ID
- Diagnostic feedback
- One-click update
- Remote diagnosis
- Erases Fault Code
- Personal Computer and Mac compatible
- Shock resistant plastic body
- ABS Codes, Check Engine Codes, Transmissions
- Upgradable
- 20.5" L x 4.7" W x 14.4" D

BKN **LAT301050458**

LAUNCH

GEAR SCAN DIAGNOSTIC SCAN TOOL

Gear Scan is a brand-new high-end auto diagnostic tool based on Android™ 7.0. It resets and records all vehicles diagnosed.

- Auto detect VIN and diagnostics
- Diagnostic feedback
- Personal Computer and Mac compatible
- Shock-resistant plastic body
- ABS Codes, Check Engine Codes, Transmissions
- Upgradable
- 11.48" L x 7.4" W x 3.31" D

BKN **LAT301050380**

GEAR HD DIAGNOSTIC SCAN TOOL

Gear HD is a revolutionary smart solution exclusively for commercial vehicle diagnosis.

- Injector relearn, coding
- Cylinder compression, DPF regeneration
- Diagnostic feedback
- Diagnostic record
- One-click update
- Remote diagnosis
- Erases Fault Code
- Personal Computer and Mac compatible
- Shock resistant plastic body
- ABS Codes, Check Engine Codes, Transmissions
- Upgradable
- 13.94" L x 4.84" W x 16.61" D

BKN **LAT301050388**

MILLENNIUM TSAP PLUS SCAN TOOL

Millennium TSAP Plus is a professional diagnostic tool which integrates TPMS sensor activation, reading, learning and programming. It uses high and low radio frequency to activate and read tire pressure sensor information and uses the OBD interface to reset the TPMS modules. It can also program Launch sensors, covering all major OE sensors.

- Turn on and off TPMS MIL
- Read and clear TPMS DTCs
- Display status of four wheels graphically
- Read and write sensor ID via OBD interface
- Wireless programming, unlimited programming
- Read TPMS sensor ID, tire pressure and temperature
- Use 125KHz modulating wave signal to activate sensor, receive 315MHz/433MHz RF signals

BKN **LAT301050461**

MILLENNIUM TSAP PRO SCAN TOOL

Millennium TSAP Pro is a professional diagnostic tool which integrates TPMS sensor activation, reading, learning and programming. It uses high and low radio frequency to activate and read tire pressure sensor information and uses the OBD interface to reset the TPMS modules. It can also program Launch sensors, covering all major OE sensors. Perfect solution kit with 4 metal + 4 rubber dual frequency (315MHz & 433MHz) RF sensors.

- Turn on and off TPMS MIL
- Read and clear TPMS DTCs
- Display status of four wheels graphically
- Read and write sensor ID via OBD interface
- Wireless programming, unlimited programming
- Read TPMS sensor ID, tire pressure and temperature
- Use 125KHz modulating wave signal to activate sensor, receive 315MHz/433MHz RF signals

BKN **LAT301050462**

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LAN **301050461**

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- Read TPMS sensor ID, tire pressure and temperature
- Use 125KHz modulating wave signal to activate sensor, receive 315MHz/433MHz RF signals

LAN **301050462**

LAUNCH

CRT 511 STAND-ALONE DIAGNOSTIC & TPMS TOOL

- Activate and match all 315 & 433 MHz sensors
- Read, copy and write all sensors ID
- Read tire pressure & temperature and battery status
- TPMS relearn guides you to program new sensor IDs
- Display TPMS status on the built-in screen
- Suitable with most GM, Ford and other vehicles in the U.S. market and covers 98% worldwide cars with TPMS system
- Unlimited time to programming Launch sensor
- Support Wi-Fi software updates
- Support all OBDII/EOBD functionality

BKN **LAT301050569**

ROXIE WIFI DIAGNOSTIC SCAN TOOL

Roxie automatically scans all makes, models and modules and emails a pre/post scan report to up to five email addresses.

- AI VIN ID. Vocal feedback
- Plug and play
- Three inspection modes
- Personal computer and Mac compatible
- Shock resistant plastic body
- Tests ABS codes, check engine codes and transmissions
- Upgradable
- 17.72" L x 15.94" W x 11.92" D

BKN **LAT301050450**

⚠ **WARNING: Cancer - Birth Defect - WWW.P65Warnings.ca.gov.**

ROXIE CELLULAR DIAGNOSTIC SCAN TOOL

Roxie automatically scans all makes, models and modules and emails a pre/post scan report to up to five email addresses.

- AI VIN ID. Vocal feedback
- Plug and play
- Personal computer and Mac compatible
- Shock resistant plastic body
- ABS codes, check engine codes, transmissions
- Upgradable
- 9.96" L x 3.43" W x 2.83" D

BKN **LAT301240016**

⚠ **WARNING: Cancer - Birth defect - WWW.P65Warnings.ca.gov.**

J-BOX 3 REFLASH SCAN TOOL MODULE

The new J-Box 3 sets the standard for Pass-Through devices. It is compatible with both SAE J2534-1 and J2534-2 reprogramming standards.

- Improved future compatibility for all makes and models
- High speed USB (400Mbps)
- Robust USB connection via screw fastened 9-Pin D-Sub
- Tough cast-aluminum housing
- VW specific protocols and additional pin switching
- Chrysler SCI (J2610)
- Simple status LED indicators
- BMW proprietary 20-pin adapter included
- Compatible with Windows XP, 7, 8 and 10 operating systems

BKN **LAT301020526**

⚠ **WARNING: Cancer - Birth Defect - WWW.P65Warnings.ca.gov.**

BATTERYBOX MODULE FOR THE PAD II AE

Launch Tech Batterybox module adds battery testing capabilities to your X-431 GDS or PAD II with the GDS battery box module. The GDS battery box module utilizes the latest in battery testing technologies, raising the bar for professional and electrical preventative maintenance. The battery box is easy to use, compact and portable, and with the GDS, you can view test results in full color, along with test data and report printing capabilities.

BKN **LAT301020576**

⚠ **WARNING: Cancer - Birth Defect - WWW.P65Warnings.ca.gov.**

SCOPEBOX MODULE FOR THE PAD II AE

Turn your PAD II into a 4-channel Lab Scope with the Scopebox. The Scopebox quickly captures suspect/intermittent signals for waveform analysis via the PAD II. By analyzing waveforms, a variety of faults on sensors, actuators, circuits and electronic controls units can be discovered, saving time on vehicle diagnosis and cutting down on unnecessary parts replacement costs.

- Extensive library of known good waveforms, waveform auto set-up on all 4 channels
- Independent ground on each channel allows for clean signal without interference or potentially damaging feedback
- High quality twist and lock BNC connectors
- Easy to use intuitive interface
- Includes an array of conventional ignition adapters
- Ultra-fast capture of glitch occurrences with advanced triggers
- Built-in square wave signal generator ensures verification of accuracy and calibration
- Playback of waveform can be slowed down for observation and analysis
- Record, save and print stored waveforms
- Separate Scopebox module allows for remote display viewing via single USB cable, view Scopebox readings on the PAD II from afar
- Plug and play, software comes pre-loaded in all the PAD II units
- Nothing to install

BKN **LAT301020572**

⚠ **WARNING: Cancer - Birth Defect - WWW.P65Warnings.ca.gov.**

SENSORBOX MODULE FOR THE PAD II AE

The Sensorbox allows you to create and modify all kinds of signal parameters such as Coolant Temperature, Mass Air Flow, Throttle Position and more, saving wasted time replicating drivability issues. With the built-in digital multimeter function, you can display voltage, resistance and frequency and print out results via the PAD II.

- Allows the technician to substitute known good waveforms for intermittent components that cannot be verified
- Contains a library of standard reference waveforms that can be modified by the stroke of a finger
- Generate hand-drawn waveforms right on the screen
- ± 5% Precision
- -12 to +12 V Amplitude range
- 70 mA Maximum output current
- 0 to 150 Hz Predefined frequency range
- 0 to 15 kHz Square wave signal pulse frequency

BKN **LAT301020574**

⚠ **WARNING: Cancer - Birth Defect - WWW.P65Warnings.ca.gov.**

LAUNCH

BST360 BLUETOOTH BATTERY TESTER

The BST360 is suitable for technicians and on-the-go consumers and is an excellent option for the repair shops to turn your scan tool into battery test functionality.

- International measurement standards: CCA, JIS, GB, SAE, MCA, CA, DIN, IEC, EN, BCI
- 3S Quick Detect: Generate the health report within 3 seconds and intuitively display all data in color screen
- Temperature Compensation: Automatic temperature compensation function
- Data Transmission: The test data can be exported and downloaded via smartphone and diagnostic tools
- Safety: No heating, no discharge, no spark, no operating risks
- Variety Battery & Electrical Test Functions: Ripple detection, battery test, starter test, charging system test, electric current and voltage test
- Battery Types: 6V and 12V (Lead-acid battery, gel battery and AGM battery)
- Compatible: Works on X-431 Throttle III, X-431 Throttle, X-431 Torque III, X-431 Torque, X-431 Turbo, X-431 PAD II AE

BKN **LAT301180832**

VSP-800 VIDEOSCOPE

The Launch Videoscope 800 is the perfect tool for viewing and capturing video and still images of hard-to-reach areas. View real-time internal structure of the vehicle on the 2.7" TFT display. Also records and saves images and videos.

- View, record and save images and videos
- 2.7" TFT display for convenience in real-time viewing
- Standard lens tube: 5.5mm, length: 1M
- 30-80mm optimum camera focal distance
- 20-60°C (-4-140°F) working temperature

BKN **LAT307110018**

⚠ **WARNING: Cancer - Birth defect - www.P65Warnings.ca.gov.**

VSP-808 VIDEOSCOPE

The Launch Videoscope 808 is the perfect tool for viewing and capturing video and still images of hard-to-reach areas.

- View, record and save images and videos
- 4.3 in. TFT HD display enables instant HD viewing
- Built-in memory can save 30 pictures
- Probe and lens tube waterproof at IP167
- Lens tube at 1 meter (abrasion/folding resistant)
- Frame Rate: 30 fps
- Resolution: VGA 640 X 480
- Lens diameter: 7mm
- Minimum bending radius: 50 mm
- Viewable angle: 60°

Contents: Videoscope, user's manual, USB cable, camera with 6 adjustable lights.

BKN **LAT307110019**

⚠ **WARNING: Cancer - Birth defect - WWW.P65Warnings.ca.gov.**

PAD II AE VIDEOSCOPE

The Launch Tech videoscope/borescope is the perfect tool for viewing and capturing videos and still images.

- Works with all Launch Pads
- 35/45/60° angles
- Record 30 FPS
- 30-inch Probe
- Personal Computer and Mac compatible
- Shock-resistant plastic body
- 2.28" L x 8.66" W x 13.78" L

BKN **LAT307010003**

⚠ **WARNING: Cancer - WWW.P65Warnings.ca.gov.**

THERMAL IMAGER DIAGNOSTIC SCAN TOOL

The Launch Tech thermal imager reads thousands of infrared temperature spots over a surface area and stores 20,000 pictures.

- Measurement range: -20° to 450° C
- 300000 Pixels
- Personal Computer and Mac compatible
- Shock-resistant plastic body
- 12.8" L x 4.9" W x 10.2" D

BKN **LAT307010018**

⚠ **WARNING: Cancer - Birth Defect - WWW.P65Warnings.ca.gov.**

LAUNCH TWT-100 TOOL CART

Launch's TWT-100 Tool Cart is a multi-functional tool trolley with 5-layer design can help you place the tools/equipment orderly. The lockable drawer can effectively prevent the important tools from going missing.

- Top Layer Tilt Design for easy operating
- Push/Pull handle and 360° rotating wheels
- Special Hock Rack design for wire arrangement
- Made of high-quality steel at least 2mm thickness
- 5-Layer design for tools/equipment orderly placement
- Metal Radiating Plate for laptop/equipment effectively heat elimination

BKN **LAT307170466**

Mastercool®

INFRARED THERMOMETER

This Mastercool medical grade and surface infrared thermometer provides you with a fast, convenient and reliable way to take a temperature.

- Convenient non-contact method
- Get results quickly with a 1 second measurement delay
- Fever alarm feature detects and alerts you to a high temperature
- Automatic power off
- Battery included

NTE **52225-MED**

Mastercool®

INFRARED THERMOMETER W/ TARGET LASER

Compact design provides laser-targeting accuracy. Features enhanced, backlit LCD display and expanded temperature range of -58-932° F (50-500° C), with 12:1 distance to spot ratio. Powered by two, AAA batteries (included).

Specifications

Temperature Range: ..... -58° to 932° F
Distance to Spot: 12:1
LCD Display: ..... Backlit
Target Indicator: ..... Single laser spot
Power: ..... 180 hrs. Battery life/ power off after 15 sec.
Power: ..... Two AAA batteries (included)
Response Time: ..... 0.5 second

NTE **78-3871**

mityvac

DIGITAL DIESEL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LCD display is easy to read from any angle, in light and dark environments. Uses standard 9 Volt DC battery for convenience and cost. Automatically shuts off after 3 minutes of non-use to conserve battery (memory is retained). Rubber boot protects the gauge from bumps and drops. Display values in PSI, Bar and kPa. Includes adapters for testing modern domestic diesel engines.

BK **700-2800**

Contents

Qty.	Description
1	Digital Compression Tester comprising of test gauge with rubber boot, 15" (380mm) long, high pressure hose, and female quick release coupler
1	Adapter, injector (2003-99 Dodge 24-Valve 5.9 L. Cummins/5.9 L. Cummins ISB & ISBE)
1	Injector adapter (1998-Earlier Case/Cummins Series B 2.9/3.9/5.9 L)
1	Glow plug adapter (1985-78 GM 4.3/5.7 L.; 1994-Earlier Navistar 6.9/7.3 L.)
1	Glow plug adapter (GM 6.2/6.5 L. V8)
1	Glow plug adapter (2003-94 Ford/Navistar 7.3 L. Power Stroke)
1	Glow plug adapter (Volkswagen 1.9 L. TDI)
1	Right angle adapter
1	Custom molded case
1	User manual (English, French, Spanish, German)

⚠ WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Mastercool®

INFRARED POCKET THERMOMETER

Mastercool's pocket infrared thermometer offers accurate temperature measurement in a compact, easy-to-use size. Features backlit LCD display, adjustable emissivity and minimum/maximum capture mode.

Specifications

Temperature Range: ..... -67° to 428° F
Operating Range: ..... 14° to 122° F
Distance to Spot: 1:1
LCD Display: ..... Backlit
Target Indicator: ..... Single laser spot
Power: ..... 40 hrs. Battery life/power off after 15 sec.
Response Time: ..... 1 second

NTE **78-3870**

mityvac

DIGITAL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LC display is easy to read from any angle and in any light. Uses standard 9V battery for convenience and cost. Automatically shuts off after 3 minutes of non-use (memory is retained). Rubber boot protects the gauge from bumps and drops. Sealed, grease and oil-resistant gauge face prevents contamination of electronics. Displays values in PSI, Bar and kPa.

BK **700-2801**

Contents

Qty.	Description
1	Digital compression tester comprising of test gauge with rubber boot, 10" (250mm) high-pressure hose and female quick-change coupler
1	14mm standard reach thread x 6.5" (165mm) hose adapter
1	14mm standard reach thread x 12" (305mm) hose adapter
1	14mm reach thread x 12" (305mm) hose adapter
1	18mm standard reach thread x 12" (305mm) hose adapter
1	18mm reach male thread x 14mm standard reach female thread plug adapter
1	16mm male thread x 14mm standard reach female thread plug adapter
1	10mm male thread x 14mm standard reach female thread plug adapter
1	12mm male thread x 14mm standard reach female thread plug adapter
1	Air hold adapter
1	Field service kit
1	Custom-molded case
1	User manual (English/French/Spanish/German)

LASER PHOTO TACHOMETER

This tool is ideal for easy and accurate RPM measurement in any environment. Simply aim the laser beam at a reflective mark placed on a rotating device, push the button and the RPM reading is displayed immediately — no contact with shaft or wheel is necessary. Memory function allows maximum/minimum RPM readings to be saved. Beam is not affected by shop lighting, can detect RPM from distances of up to 6' away, and measures up to 99,999 RPM in increments of one. Used by automotive, marine, small engine, HVAC and industrial technicians. Can be used on coil-on plug and diesel engines, where conventional, inductive tachometers cannot. May also be used on generators, compressors, industrial engines, fans, gears, and more! Includes reflective tape, instructions, nine-volt battery and zippered storage case.

BK **700-2608**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HANDHELD DIGITAL TACHOMETER

Versatile instrument measures RPM on a wide variety of engines from string trimmers to automotive engines. Read revolutions from 0 to 20,000 RPM and picks up signal wirelessly or with supplied inductive pickup. For use on outboards, snowmobiles, motorcycles, small engines, generators, lawn equipment and more.

BK **700-3877**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRMS PREMIUM LOW CURRENT CLAMP METER

Clamp meter has improved the zero drift on the low DC amps function - along with enlarging the clamp size to accommodate larger ground cables. The significant amount of feedback from our end user customers has contributed greatly in building this premium low current clamp meter. These features will be unmatched. It is a great tool for parasitic drain testing. Larger 19 mm (.75) clamp size - can clamp over larger ground cables and some multi ground cable systems. True RMS accuracy, 5,000 count backlit LCD display with analog barograph. Peak MIN / MAX function, standard MIN / MAX function. CAT III 600 Volt safety rating. It has built-in temperature Fahrenheit / Celsius readings.
Use with Automotive, marine, S engine, HVAC and industrial technicians.

Voltage Range:.....500 mV - 600 V DC, 500 mV - 600 V AC
Amp Range:.....5,000 mA - 60 Amp
OHM Range:..... 500 Ohms - 50 MOhms

BK **700-2362**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ 31 AUTO-RANGING DIGITAL MULTIMETER

Features built-in non-contact voltage detector and integrated LED flashlight, hybrid-safe Cat III / 1000 volt rated auto-ranging, auto power-off, diode-check and continuity test capability with over-range and low battery indicators.

Contents: (1) Digital multimeter with 9 volt battery, integrated test lead set and user manual.

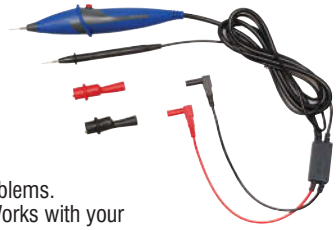
Specifications

Adapter Lead Ends Type:.....Probes
Amp Range:.....200 uA - 200 mA
OHM Range:.....Up To 20 MOhms
Product Application:.....For Shop, Hobbyist, ... Appliance & Home Use
Screen Display:..... 3½" Backlit LCD w/ 2000 Count
Voltage Range:...Up To 600 Volt DC, Up To 600 Volt AC

BK **700-2813**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ LOADPRO DYNAMIC TEST LEADS

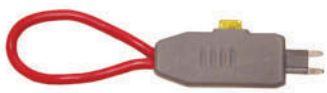


- LOADpro finds these problems fast - high corrosive resistance, shorts to ground and open circuits
- Use LOADpro and you'll spend less time diagnosing wiring problems. Start doing voltage drops no. Works with your existing DMM
- Use LOADpro with your DMM and follow our test method - you will find wiring faults quicker
- LOADpro Test Leads feature SteadyPin Probe Tips, which allows the probe to sit firmly on a male ECM or connector pin
- LOADpro performs voltage drop test with the push of a button. On a 12 Volt system, pressing the switch applies a load of approximately .5 Amps across the circuit. This simple test finds problems in corroded wires/connections and shorts to ground
- LOADpro are OEM approved finds corroded circuits fast.
- By loading the circuit, LOADpro makes a voltage drop test "on the fly"
- Cable Length: 60"
- Banana connection

BK **700-2814**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ FUSE BUDDY MINI CURRENT LOOP



Can be used to diagnose a variety of problems including fuel pumps, battery drains, A/C compressors, blower motors shorts, etc. Also handy for installers needing to monitor circuit amperage limits. Current loop can be used on circuits up to 30 Amps. Fits ATM fuse size fuse receptacle (mini). Use with current probe or clamp meter - handy way to get current waveforms with your scope. Plugs into the fuse socket, very handy for measuring battery drains. Allows non-intrusive circuit current measurements. Fuse Buddy Current Loop allows you to access and tap circuit current readings at the fuse panel, without back probing wires or connectors. Just remove the circuit fuse, replace it into the side of the adapter and clamp your current probe or clamp meter over the loop.

BK **700-2752**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ FUSE BUDDY ATO CURRENT LOOP

Just remove the circuit fuse, replace it into the side of the adapter and clamp your current probe or clamp meter over the loop. Can be used to diagnose a variety of problems including fuel pumps, battery drains, A/C compressors, blower motors shorts, etc. Fits ATO fuse size fuse receptacle. Can be used on circuits up to 30 Amps. Used with current probe or clamp meter - handy way to get current waveforms with your scope. Plugs right into the fuse socket, great for measuring battery drains. Allows non-intrusive circuit current measurements. Fuse Buddy Current Loop allows you to access and tap circuit current readings at the fuse panel, without back probing wires or connectors. Also handy for installers needing to monitor circuit amperage limits.

BK **700-2753**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ CAT III AUTOMOTIVE TEST LEAD SET

Working on Hybrids and EV's? If you've acquired a CATIII digital multimeter or insulation tester, this kit can enhance your testing flexibility while maintaining the required safety standards. Safe for testing and diagnostic use on Hybrids and EV's where CATIII 1000V instruments are required. Each component is CATIII 1000V safety category approved. Set includes 6 pieces total, all rated for 10 Amps. The interconnect test leads are 52" long and fit most DMM's and Insulation testers in the field. CATIII 1000V approved/safety rated test lead set - every component approved. Set includes two premium test probes, two large crocodile clips and two test leads with straight banana jacks. This is a great compliment to any CATIII digital multimeter or insulation tester.

BK **700-2754**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ DIGITAL MULTIMETER IR THERMOMETER ADAPTER

Unit converts temp readings into millivolts, therefore, it works on any DMM with DC millivolt range (mV). The DMM's min/max can be utilized to enhance the usability. Unit features single laser pointer and reads up to 1,000° F and 550° C. Just connect this IR thermometer to your DMM and you'll have temperature readings on the display. Converts temperature readings from F/C degrees to millivolts, allowing your DMM to display the surface temperature. Distance to Spot Ratio: 8:1, Accuracy: + 2% of reading. Single laser point guides aiming. Plugs into any Digital Multimeter (DMM) to display surface temperature readings. This is a great DMM accessory allowing safe and accurate, non-contact surface temp measurements. Temperature Range: -22 to 1,022° F / -30 to 550° C.

BK **700-2755**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ 54 PC. AUTOMOTIVE TEST CONNECTOR KIT

Connection to most DMM's and scopes is no problem. Connection to live circuits is possible via the stacking test leads. Kit is designed to provide wide testing coverage and quicken the test process. This variety of connector/adapters can greatly enhance your testing capability. Includes case for organized storage and protection. Kit includes 13 different sizes of flat/round, both male and female terminal connector adapters. Applications include automotive, heavy duty, marine, RV, equipment and more. This comprehensive test kit features a variety of terminal adapter sets which enable connection to most automotive vehicle connectors, both foreign and domestic. Terminal adapters connect via the included 48" stacking banana plug test leads. Enables testing of live circuits.

BK **700-2756**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

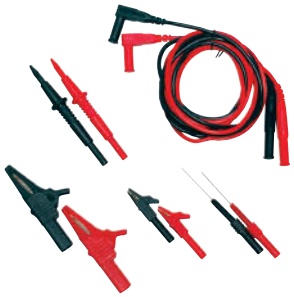
TRUE BLUE™ 18 PC. MICRO64 TEST CONNECTOR KIT

18 Piece set enables good fitting and test connections to Micro64 type terminals, both square and round, male and female. Adapters connect via the included 48" stacking banana plug test leads, which allow testing of live circuits. Connection to most DMM's and scopes is no problem. Kit is designed to provide a quality and secure test connection while quickening the test process. Includes case for organized storage and protection. Includes 48" stacking banana plug test leads, which enable testing of live circuits. Precise fitting is required with Micro64 or damage may result to expensive components. Test connector kit features a set of adapters which enable connection to Micro64 terminals.

BK **700-2757**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ AUTOMOTIVE TEST LEAD KIT



The large Crocodile Clips are good for clipping to grounds and battery terminals. Roll up storage pouch keeps your leads organized. 10 Piece kit was designed for automotive troubleshooting and diagnostics. Great addition to your existing digital multimeter or scope. Extra long interconnect test leads are 64" long, making the job that much easier. The flexible silicon pins are great for back probing weather pack and similar automotive connectors. Kit includes our basic set of interchangeable specialty test probes designed for automotive use. The flexible back probing pins are great for sliding into automotive connectors like those on fuel injectors and MAP sensors. Includes deluxe roll up pouch for organization and storage.

BK **700-2758**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TWIN LEAD KIT

Two color-coded, red and black wire leads with clips. Use for jumping any part of the electrical system. 30" long.

BK **700-1300**

⚠ **WARNING: This product may expose you to chemicals including lead which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ALLIGATOR CLIPS TEST LEAD SET

Quality replacement test leads work with most DMM's in the field.

- Alligator clips screw off/on for a more secure connection
- Plenty of length for versatile testing
- CATIII 1000 volt safety rated
- 48 in. cable length

BK **700-0281**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65WARNINGS.ca.gov.**

TRUE BLUE™ AUTOMOTIVE DIGITAL MULTIMETER

Features large backlit LCD display, duty cycle measurement and dual fuse protection. Also includes auto power-off and low battery indicators. K-type temperature probe, holster, 9V battery, premium test lead set, alligator clips and manual are all included. Ideal for use by hobbyists, on appliances, in the shop, or around the home. Category III volt safety (16 test functions/56 test ranges). CAT-III, safety rated to 600V.

BK **700-2602**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ JR. DIGITAL MULTIMETER

Compact design and necessary functions provide overall convenience. Capabilities equal to many higher-priced meters. Features 20 test ranges and 7 functions, 10-amp test range, continuity beeper, 10 meg/ohm impedance, and is fully fuse protected. Ideal for automotive, marine, small engine, HVAC and industrial technicians. Test leads, protective holster, instructions and installed 9V battery included.

BK **700-2601**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ 63 DELUXE AUTOMOTIVE DIGITAL MULTIMETER

A professional-grade tool for diagnosing electrical, computer and engine problems on any vehicle. Features 45 test ranges and 14 functions. Inductive RPM (DIS/standard ignitions) pick-up features a 5-position, adjustable sensitivity switch. Dual display with analog bar graph/digital readings, built-in temperature readings, 10 meg/ohm input impedance, dual fuse protection, safety leads and jacks/built-in tilt stand. Two sets of test leads, RPM pick-up, temperature probe, protective holster, 9V battery, instruction manual and carrying case included.

BK **700-2603**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ 64 PREMIUM DIGITAL MULTIMETER

Highest-quality auto-ranging multimeter for automotive troubleshooting, with 18 test functions and 48 ranges. Peak minimum/maximum mode records variations in all functions and transient voltages as fast as one millisecond. Temperature probe measures readings in both Fahrenheit and Celsius, and milliseconds pulse width measures fuel injector on time. Modern design with a protective holster built into housing. Also features inductive RPM readings for both DIS/conventional ignitions, 20-amp test range, dual fuse protection, data hold, automatic power-off and adjustable trigger. Large LCD display with white LED backlighting and 40-segment analog bar graph. Tests AC/DC voltage and current, resistance, temperature, RPM/DIS, milliseconds pul se width, dwell (direct), frequency, duty cycle, capacitance, diode and continuity. Test leads, k-type temperature probe, inductive RPM clamp, blow-molded case and instructions included.

BK **700-2604**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ RMS HEAVY-DUTY AUTOMOTIVE/ INDUSTRIAL MULTIMETER

Ideal for automotive or electrical applications, with peak and min./max. capture, frequency, resistance and much more. Hybrid 1,000V safe with built-in temperature readings for degrees Fahrenheit/Celsius. Features 10 test functions with 37 ranges, automatic power-off and ranging, data hold, continuity beep and overload protection. K-type temperature probe, 9 volt battery and carrying case included. Clamp Opening: 1.5".

BK **700-2605**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ 66 HIGH-CURRENT DIGITAL MULTIMETER PROBE

An ideal tool for high-current electrical troubleshooting and starting/ charging diagnostics. Measures up to 1,000 amps AC/DC and has built-in temperature readings for degrees Fahrenheit/Celsius. Features 10 test functions with 37 ranges, automatic power-off and ranging, data hold, continuity beep and overload protection. Temperature probe, 9 volt battery and carrying case included. Clamp Opening: 1.5".

BK **700-2606**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRUE BLUE™ 31 AUTO-RANGING DIGITAL MULTIMETER

Non-contact voltage detector illuminates when electrical fields are present. Bright red light automatically shines for safety and convenience. 3-in-1 meter featuring non-contact voltage detector, LED flashlight and auto-range convenience – Hybrid 1,000V safe. Includes installed 9 volt battery, integrated test lead set and user manual.

BK **700-2607**

See page 414 for specifications.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MINI VOM MULTITESTER

Pocket-sized multitester. Ideal for home, shop, auto and school use. Features five functions, 13 positions, 2,000 ohms/V DC/AC, single-knob function switch, safety test leads and instructions. Fuse protected. Size: $3^{5}/_{8}$ in. x $2^{3}/_{8}$ in.

Specifications

Voltage Range AC/DC: ..... 0-10-50-250-1,000 V
Sensitivity: ..... 2,000 ohms/V
Current Range: ..... DC: 0-100 MA
Resistance Range: RX10, RX1K

BK **700-1524** Mini VOM Multitester
BK **782-1632** Fuse

⚠ **WARNING: (*BK* 700-1524) This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Basic Features	BK 700-2604 NAPA BEST	BK 700-2606 NAPA BEST	BK 700-2605 NAPA BEST	BK 700-2603 NAPA BETTER	BK 700-2602 NAPA GOOD	BK 700-2607 NAPA GOOD-DIY	BK 700-2601 NAPA GOOD-DIY
True RMS Readings	—	—	AC	—	—	—	—
Basic DC Accuracy	0.5%	1.5%	1.2%	1.2%	0.5%	0.5%	0.5%
Wide Bandwidth	—	—	—	—	—	—	—
Auto/Manual Ranging	•	•	•	•	•	•	—
Digits	3½	3½	3½	3½	3½	3½	3½
Counts	4000	4000	4000	3200	4000	2000	2000
Measurements							
Voltage AC/DC	600V	600V	1000V	1000V	1000V	600V	1000V
Current AC/DC	20A	1000A	20A	20A	10A	200mA	10A
Resistance	40MΩ	40MΩ	40MΩ	32MΩ	40MΩ	20MΩ	20MΩ
Frequency	40MHz	100kHz	10MHz	21kHz	10MHz	—	—
Capacitance	40mF	100µf	40mF	—	100µf	—	—
Temperature	+1832°F	+1832°F	+1400°F	+1400°F	+1400°F	—	—
Conductance	—	—	—	—	—	—	—
Duty Cycle/Pulse Width	•	•	—	•	•	—	—
RPM/Dwell	•	—	—	•	•	—	—
Continuity with Beeper	•	•	•	•	•	•	•
Diode Test	•	•	•	•	•	•	•
10 Meg ohm Input	•	7.8MΩ	•	•	•	>7.5MΩ	•
Display							
Analog Bar Graph	•	•	•	•	—	—	—
Backlight	•	•	•	•	•	•	—
Data Storage and Exchange							
Min. - Max. Recording	•	—	•	—	—	—	—
Fast Min. - Max.	1mS	—	—	—	—	—	—
Display Hold/Auto (Touch) Hold	•	•	•	•	—	•	—
Relative Reference	—	—	•	—	•	—	—
Other Features							
Overmolded Case, Integrated Holster	•	•	•	•	—	—	—
Removable Holster	—	—	—	—	•	—	•
Toolpack -Magnetic Hanger Compatibility	—	—	—	—	—	—	—
Closed Case Calibration	—	—	—	—	—	—	—
Separate Battery Door	•	•	•	•	•	•	•
Completely Sealed/ Watertight	•	—	•	•	—	—	—
Automatic Power Off	•	•	•	•	•	•	—
Low Battery Indication	•	•	•	•	•	•	—
Operating Temperature Range	32° - 122°F	14° - 122°F	41° - 104°F	32° - 122°F	32° - 122°F	32° - 104°F	32° - 122°F
Carrying Case	•	•	•	•	—	—	—
Warranty and Electrical Safety							
Limited Lifetime Warranty	—	—	—	—	—	—	—
Warranty (Years)	1	1	1	1	1	1	1
Input Alert	—	—	—	—	—	—	—
Dangerous Voltage Indication	•	•	•	•	•	—	—
CAT II Measurements	—	—	—	—	1000V	—	600V
CAT III Measurements	1000V	600V	1000V	1000V	600V	1000V	—
CAT IV Measurements	600V	—	600V	600V	—	600V	—

AUTOMOTIVE COMPUTER MEMORY UNIT

Prevents memory loss on digital radios, clocks, door locks, etc. when disconnecting vehicle battery. Easy to use - simply plug into cigarette lighter. Use with a 9-volt alkaline battery (not included). Contains internal diode for longer 9-volt battery life.

BK **782-1609**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FUSE BUDDY CIRCUIT TESTER

The Fuse Buddy can test circuit currents up to 30 amps/48 volts. Resolution .01A (10 milliamps), accuracy+ 2%. Clever design allows for easy connection into fuse sockets. Fuse Buddy ends are molded into the shape of the fuse itself. During testing the fuse is removed and replaced into the Fuse Buddy. This way, the circuit being tested maintains fuse protection. The Fuse Buddy stays put and won't fall out of the socket, like test probes do. Can even be used to test for parasitic drains.

BK **700-3305**

Item No.	Description
BK **782-3305**	20A For Mini Fuses
BK **782-3307**	20A For ATC Fuses
BK **782-3308**	30A Mini Fuse Tester
BK **782-3309**	30A ATC Blade Fuse Tester

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65WARNINGS.ca.gov.**

FUSE BUDDY DMM ADAPTERS

Adapters can measure as high as 20 amps/48 volts. Multi-meter amp range determines maximum current range. Accuracy determined by DMM.

BK **782-3304**

BK **782-3306**

Item No.	Description
BK **782-3304**	20A For Mini Fuses
BK **782-3306**	20A For ATC Fuses

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65WARNINGS.ca.gov.**

SHORT FINDER

Quickly and inexpensively locate shorts in all automotive electrical circuits 6-36 volts. Eliminates need to remove upholstery and floor coverings. Operates through metal posts panels, etc. Simply hook-up to affected fuse posts, and induction-type needle indicator pinpoints short. Schematic included.

BK **700-1084**

⚠ **WARNING: This product may expose you to chemicals including lead which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

THE INVESTIGATOR™ LOGIC PROBE LIGHTED CIRCUIT TESTER

The perfect solution for circuit testing in dark recesses under the dash and hood. Features a convenient LED powered by the vehicle. Red or green LED instantly verifies power or presence of good ground connections. Kit includes handy 12-volt battery adapter for use when the vehicle auxiliary power socket is not present or inoperable. Coiled cord extends to over 10'. Stainless steel shaft with pin-probe adapter and sturdy storage case make this a must-have for every technician's bay.

BK **700-1181**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CIRCUIT TESTER

Handy and inexpensive AC & DC current circuit tester spot checks 6 and 12 VDC systems locating shorts, grounds and open circuits. Maximum voltage range: 20 VDC.

BK **700-1069**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BATTERY-POWERED CIRCUIT TESTER

Troubleshoot with vehicle battery disconnected. Self-powered instrument tests circuits with power off. Traces open circuits, grounds & shorts. Can be used on cars, TV, radio, etc., by electricians, mechanics, hobbyists, etc. 3' wire lead, 5¼" long. Battery not included.

BK **700-1070** Circuit Tester
BK **700-9503** Replacement Bulb

⚠ **WARNING: (*BK* 700-1070) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 700-9503) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY CIRCUIT TESTER

For use with high-voltage batteries in pleasure and recreational vehicles, such as heavy-duty autos, trucks, trailers, farm machinery, marine and other heavy-duty equipment. Checks AC or DC wiring up to 36 volts. Specially developed for 18, 24, and 36-volt battery and electrical systems. Checks series parallel switches and solenoids on tractor-trailer starter systems. Extra-long, 48" leads.

BK **700-1071** Circuit Tester
BK **700-9508** Replacement Bulb

⚠ **WARNING: (*BK* 700-1071) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 700-9508) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LOW-VOLTAGE CIRCUIT TESTER

Test for voltage in 6 and 12-volt systems by grounding the clip and touching the probe to the point being tested. The tester bulb will light if power is present.

BK **700-1074** Circuit Tester
BK **700-9594** Replacement Bulb

⚠ **WARNING: (*BK* 700-1074) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 700-9594) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY CIRCUIT TESTER

Best quality electrical tester available for checking 6 and 12-volt systems. Features heavy-duty ground clip and insulator. 5' of tough, flexible, heavily-insulated rubber wire is retained in spring-supported strain relief. Designed to withstand the most rugged use. Bulb is easily replaced (G.E. 3894 bulb).

BK **700-1437**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

RELAY SHORTING PLUG KIT

Closes normally-open contacts and instantly determines which half of an output circuit is suspect, eliminating guesswork regarding which terminals to short. Stays securely in relay socket, leaving technician free to diagnose. Eliminates damage to relay socket as a result of probing. Works on all vehicles using standard 4 and 5-pin relays. Includes three adapters and fuses.

BK **700-2697**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EXTRA SHARP MULTIMETER TEST PROBES

Quality test probes with extra sharp tips connects to most test lead kits.

- Extra sharp tips hold to the test point
- CATIII 1000 volt safety rated
- One red and one black
- Standard 4mm banana jacks
- Contains 2 probes

BK **700-0280**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

MULTIMETER REPLACEMENT FUSES

Item No.	Amps	Volts	Fits Multimeter
BK **700-0271**	20	250	*BK* **700-2603**, *BK* **700-2604**
BK **700-0272**	10	250	*BK* **700-2602**
BK **700-0273**	20	250	*BK* **700-2603**, *BK* **700-2604**

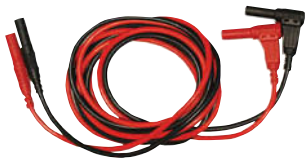
⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

30 IN. MULTIMETER TEST LEADS

- Replacement test leads for *BK* **700-2601** digital multimeter.
- Sharp probes are good for probing automotive voltages
- CATIII 1000 volt safety rated
- 30 In. cable length
- Banana Jack connections

BK **700-0274**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**



64 IN. MULTIMETER TEST LEADS

These test leads connect with many different testing accessories and probes, especially those found in typical test lead kits and assortments.

- Terminates with standard 4mm female banana plug
- CATIII 1000 volt safety rated for use on hybrids and EV's
- Extra length for versatile testing
- 64 In. cable length
- Banana jack connections

BK **700-0275**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

MULTIMETER BED OF NAILS TEST CLIPS

- These multi-purpose test clips are a great way to tap live readings and are compatible with most test lead kits.
- Unique micro pins cause less damage should you decide to pierce the wire's insulation
- Can be used with *BK* **700-0275** test leads
- Standard size 4mm banana jack
- Contains 2 test clips

BK **700-0276**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

HEAVY-DUTY INSULATION PIERCING MULTIMETER TEST CLIPS

- These heavy-duty insulation piercing clips work with most test lead kits and DMMs.
- High quality probes
- CATIII 1000 volt safety rated
- Standard size 4mm banana jack
- 5 Amps
- Contains 2 test clips

BK **700-0277**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

CROCODILE MULTIMETER TEST CLIPS

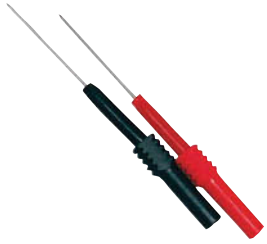
Large crocodile clips designed to hold fast while taking diagnostic measurements. Features a very wide jack opening and is capable of clamping to a typical battery post.

- High quality clips feature multi-purpose tooth pattern providing plenty of holding power
- CATII 1000 Volt safety rated for use on Hybrids and EVs
- Standard size 4mm banana jack
- 10 Amp
- Contains 2 Crocodile Clips

BK **700-0278**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

MULTIMETER BACK PROBE PINS TEST PROBES



Flexible 1.5 in. silicone pins provide easy back probing connections for DMM and Scope measurements.

- Great for back-probing harness connectors and automotive sensors
- Flexible silicone bends for difficult areas
- Can be used up to 30 volts
- Connects to test leads with removable ends
- Standard 4mm banana jacks
- Contains 2 probes

BK **700-0279**

⚠ **WARNING: This product can expose you to chemicals, including lead and DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

UNIVERSAL COMBUSTION LEAK TEST KIT

Locate combustion leaks without guesswork. Tests in seconds for cracked blocks, leaky gaskets or cracked/warped heads. Kit includes test tool and a 16-ounce bottle of combustion leak test fluid. For gas and diesel engines.

Item No.	Description
BK **700-1006**	Combustion Leak Test Kit, Contains (1 of each): *BK* **700-9572**, *BK* **700-1361** and *BK* **700-1366**
BK **700-9572**	Aspirator Bulb w/Valve
BK **700-1361**	Large Engine Adapter
BK **700-1366**	Leak Test Fluid

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PROFESSIONAL ENGINE CYLINDER COMPRESSION TESTER

Professional compression testers detect worn rings, burnt valves and blown head gaskets, and allows accurate adjustment of base and advance timing reading. Works on most foreign and domestic vehicles, small engines, motorcycles, snowmobiles, and ATVs. This kit works on standard and metric scales. Compatible with most standard spark plug threads. Quick disconnect coupler separates hose from gauge for faster, easier connections to the engine. Push button side release valve allows repeated testing without disconnection. Bourdon tube movement for accurate readings, heavy duty rubber boot protects gauge.

Contents: (1) gauge, (5) spark plug threads, (2) valves and (4) O-Rings.

Specifications

Gauge PSI:.....0 - 300 lbs (0 - 200 kPa)
Gauge Diameter: ..... 2½"
Fitting Adapter Size: .....10, 12, 14, 4, 18 mm

BK **700-2621**

⚠ **WARNING: Cancer and Reproductive Harm -- www.P65Warnings.ca.gov.**

NOREGON
VEHICLE DATA EXPERTS

JPRO® PROFESSIONAL DIAGNOSTIC SOFTWARE WITH NEXTSTEP & ADAPTER KIT

Interface a vehicle with a PC via USB & vehicles cables for diagnostic & repair information, reprogramming & parameter adjustments. Perform assessment of the entire truck (including engines, ABS, body, & chassis controllers) in about one minute, without prior knowledge of the vehicle's configuration.

- Provides bi-directional features and tests for GM, Mack, Volvo, Detroit Diesel, Cummins, International, PACCAR, Isuzu, Wabco, and Bendix
- Built-in emission, electrical, communication and fault educational systems
- Proprietary heavy-duty coverage for all makes and models and medium-duty coverage for Ford, GM, Sprinter, and Isuzu
- Reads, displays and clears over 100,000 faults with enhanced OEM fault descriptions
- NextStep service & repair information delivers technician-friendly all makes, all models troubleshooting and repair
- Hardware includes DLA+ 2.0 adapter and all cables
- Shortens repair time, increases uptime and lowers maintenance costs
- Heavy duty cables include (1) 6-pin, (1) 9-pin, Type-B OBD-II cables (Mack & Volvo)
- Medium duty cables include Type-B OBD2 cables (Ford, GM, Sprinter & Isuzu)

BKN **NOR232125-NS**

JPRO® DLA+ 2.0 ADAPTER KIT WITH MACK AND VOLVO CABLES

DLA+ 2.0 adapter kits have been updated to comply with the 2016 CARB and EPA mandates and provide 3CAN support. Adapters work with all TMC RO1210 compliant heavy-duty OEM diagnostic software applications and all vehicles manufactured before 2017.

- All DLA+ 2.0 adapters come with a 1-year warranty
- Ensures you can diagnose and repair all makes and models of trucks
- Compatible with both current and pre-existing vehicle protocols
- New cables are included with the latest adapter kit
- Diagnostic cables for medium-duty applications: Ford, GM, Sprinter and Isuzu
- OBD2 Capable

Contents: (1) DLA+ 2.0 Adapter, (1) 6-pin cable, (1) 9-pin cable, Type B OBD2 cables (1 each Ford, GM, Sprinter/Isuzu/Hino, Mack & Volvo), (1) USB computer cable and (1) adapter kit carry case

BKN **NOR122061**

JPRO® PROFESSIONAL DIAGNOSTIC TOOLBOX WITH NEXTSTEP

The most comprehensive and powerful all makes, all models diagnostic and repair software with bi-directional functionality. Perform assessment of the entire truck (including all engines, ABS, body and chassis controllers) in about one minute, without prior knowledge of the vehicle's configuration.

- Provides bi-directional features and tests for GM, Mack, Volvo, Detroit Diesel, Cummins, International, PACCAR, Isuzu, Wabco and Bendix
- Built-in emission, electrical, communication and fault educational systems
- Proprietary heavy-duty coverage for all makes and models and medium-duty coverage for Ford, GM, Sprinter and Isuzu
- Reads, displays and clears over 100,000 faults with enhanced OEM fault descriptions
- NextStep service and repair information delivers technician-friendly all makes, all models troubleshooting and repair
- Hardware includes Panasonic Semi-Rugged Toughbook Computer, DLA+ 2.0 adapter and all cables
- Shortens repair time, increases uptime and lowers maintenance costs
- OBD2 Capable
- Heavy duty cables include (1) 6-pin, (1) 9-pin, Type B OBD!! Cables (Mack & Volvo)
- Medium-duty cables include Type-B OBD!! Cables (Ford, GM, Sprinter & Isuzu)

Contents: (1) JPro® Professional Diagnostic & NextStep™ Service & Repair Information Software, (1) Panasonic Semi-Rugged Toughbook, (1) DLA+ 2.0 Adapter, (1) USB Computer Cable, (1) Carrying Case, Heavy & Medium-Duty Cables

BKN **NOR263025-NS**

⚠ WARNING: Laptop battery posts, terminals, and related accessories contain lead and lead compounds, and handling this product may also expose you to sulfuric acid mist, chemicals known to the State of California to cause cancer and reproductive harm. For more information go to www.P65Warnings.ca.gov. - Wash hands after handling.

JPRO® SOFTWARE BUNDLE WITH NEXTSTEP DIAGNOSTICS SOFTWARE

The most comprehensive and powerful all makes, all models diagnostic and repair software with bi-directional functionality. Perform assessment of the entire truck (including all engines, ABS, body and chassis controllers) in about one minute, without prior knowledge of the vehicle's configuration.

- Provides bi-directional features and tests for GM, Mack, Volvo, Detroit Diesel, Cummins, International, PACCAR, Isuzu, Wabco and Bendix
- Built-in emission, electrical, communication and fault educational systems
- Proprietary heavy-duty coverage for all makes and models and medium-duty coverage for Ford, GM, Sprinter and Isuzu
- Reads, displays and clears over 100,000 faults with enhanced OEM fault descriptions
- NextStep Service & Repair information delivers technician-friendly all makes, all models troubleshooting and repair

BKN **NOR212100-NS**

OTTOTEST CLASSIC (VCI USB KIT)

- Developed entirely in house by Blue Streak Electronics, the heart of the OTTOTEST system is the vehicle communications interface (VCI). Supports all necessary OE protocols
- Supports Protocols: CAN 11/29 Bit, CAN Single Wire, ISO 1941, ISO KWP 2000, VPW (GM, Saturn, Chrysler), SCP (Ford, Mazda), SCI A & B (Chrysler), SCI NGC (Chrysler), UART, CCD (Chrysler), DCL (Ford), Flash (Toyota), H92/H95/H99 (Honda), Special Honda
- Also supports industry standard protocols such as J-1979 for OBD2 diagnostics and 2534 for flash programming
- Kit includes VCI, current full coverage software, all cables, power supply, and case

Item No.	Description
BKN **BLBEBD42051**	Classic (VCI USB Kit)
BKN **BLBEBD42051M**	Pay-As-You-Go Program. Up-front fee, then a monthly charge after the 6th month begins. Can return the tool and stop the monthly charges if not satisfied.
BKN **BLBAPC40051**	Pre-loaded Ultra Mobile Tablet PC
BKN **BLBCGM35193**	GM Off-Car Harness
BKN **BLBCOB30401**	Quick Link Cable OBD2

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTTOTEST CLASSIC ACCESSORIES

Item No.	Description
BKN **BLBABD35061**	13.5V DC Power Adapter
BKN **BLBABD41041**	Cigarette Lighter Power Adapter
BKN **BLBABD45601**	Off-Car Programming Harness Adapter
BKN **BLBEBD40251**	Upgrade to Wi-Fi Wireless
BKN **BLBCFD42101**	Ford DCL Cable
BKN **BLBCHN44101**	Honda Adapter Cable
BKN **BLBCMZ47101**	Mazda Adapter Cable
BKN **BLBCNS46101**	Nissan Adapter Cable
BKN **BBLBCOB49101**	OBD2 Quick Link Cable
BKN **BLBCTY45101**	Toyota Black Round Cable
BKN **BLBCTY45111**	Toyota White Rectangle Cable
BKN **BLBCXB49111**	Main Diagnostic Cable
BKN **BLBEBD40754**	2534 Global Programmer On & Off-Car Kit
BKN **BLBEBD40751**	2534 Global Programmer On-Car Kit
BKN **BLBABD40041**	Carrying Case
BKN **BLBABD35062**	13.5V DC Power Adapter
BKN **BLBEBD35604**	Off-Car Harness Kit (16 Cables)
BKN **BLBL1218100**	Calibration Label (100 Pack)

Item No.	Description
BKN **BLBCBD30072**	Main Diagnostic Cable
BKN **BLBCBD35041**	USB Cable
BKN **BLBCCY35303**	Chrysler Off-Car Harness – JTEC
BKN **BLBCCY35313**	Chrysler Off-Car Harness – Gray SBEC
BKN **BLBCCY35323**	Chrysler Off-Car Harness – Black SBEC
BKN **BLBCCY35333**	Chrysler Off-Car Harness – FCC
BKN **BLBCCY35343**	Chrysler Off-Car Harness – NGC
BKN **BLBCCY35353**	Chrysler Off-Car Harness – EATX
BKN **BLBCFD35703**	Ford Off-Car Harness EEC-V
BKN **BLBCFD35753**	Ford Off-Car Harness CAN EEC-V
BKN **BLBCFD35763**	Ford Off-Car Harness
BKN **BLBCGM35123**	GM Off-Car Harness
BKN **BLBCGM35133**	GM Off-Car Harness
BKN **BLBCGM35153**	GM Off-Car Harness
BKN **BLBCGM35163**	GM Off-Car Harness
BKN **BLBCGM35173**	GM Off-Car Harness
BKN **BLBCGM35183**	GM Off-Car Harness

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRESENTING OTC ENCORE™

The first integrated diagnostics tablet powered by Android that kicks on in 15 seconds, boasts 30 years of coverage, includes an onboard battery - all at a technician's price point. Merge your diagnostics with your mobile life.

NO OTHER SCAN TOOL COMPARES

SCAN
IDENTIFY
FIX
:15

Google play

1 Touch AutoID™
Automatically detects CAN vehicles 2005 or newer to quickly set up year, make model and engine — all in one tap.

1 Touch DTCs
Tap to get codes with access to millions of confirmed experience-based fixes.

Onboard Battery
Technicians asked. OTC listened. Avoid reentering the vehicle ID and losing data when you cycle the key.

OTC NAPA TOOLS & EQUIPMENT

Fast Touch Home Page
Custom browser home page with access to popular technician forums right from Encore.

Embedded Training Videos
More than 70 videos show how to perform test procedures or functions in one minute or less.

OTC ENCORE™

The Encore doesn't stray from its roots as an OTC® diagnostics tool. OTC® took the strengths of our diagnostics programs and merged them with the Android system to provide not only a tool—but a tablet—that understands the technician's mobile life.

- Alert technicians to on-tool or web-based repair information including Identifix® Direct-Hit™
- Full scan functionality, including OEM Domestic, Asian and European, bi-directional controls and enhanced data
- Perform a Google search right within a diagnostic session
- 30 million experience-based repair solutions. No other tool has embedded Identifix® assets available during every type of repair, including Code-Assist™, Symptom-Assist™ and Repair-Trac™
- One Touch AutoID™ - automatically detects CAN vehicles 2005 or newer to quickly set up year, make, model and engine — all in one tap
- One Touch DTCs - tap to get codes with access to millions of confirmed experience-based fixes
- Google Play - with Google Play™, Encore can be the diagnostics solution at work, and allow you to download apps, music and more for a personalized experience
- Onboard Battery - technicians asked. OTC listened. Avoid reentering the vehicle ID and losing data when you cycle the key
- Embedded Training Videos - more than 70 videos show how to perform test procedures or functions in one minute or less
- Fast Touch Home Page - custom browser home page with access to popular technician forums right from Encore
- Direct Hit™ - 60-day free trial of Direct Hit™
- 7-inch capacitive touch screen- swipe, pinch, & zoom the way you've grown accustomed to on your smart phone and personal tablet
- Fast Boot Up - in less than 15 seconds
- Built-in WiFi- allows a technician to scan a vehicle while browsing popular online forums to research trouble codes, easily accessible via OTC's Fast Touch home page
- Built-in Bluetooth - pair-up with the optional PC-based 2-Channel Tech-Scope or TPR Tool

Scan Functionality	Genisys EVO™	Encore™	Genisys Touch™
OEM Domestic, Asian and European Bidirectional Controls	•	•	•
OEM Domestic, Asian and European OBD2 Enhanced	•	•	•
OEM Domestic, Asian and European OBD I	•	•	•
All 10 Modes of OBD2	•	•	•
Heavy Duty Standard Coverage	Option	Option	Option
Multiple Language Support	•	•	•
Internet Upgradeable	PC Required	•	•
J2534 All Makes Reprogramming			•
Vehicle Diagnostic Software Information			
Scan and Scope Troubleshooting Repair Information	•	•	•
Repair-Trac and Code-Assist DTC VIN Specific Tech Tips	•	•	•
Symptom-Assist Specific Tech Tips		•	•
Identifix Direct-Hit Web-based Info		•	•
AutoDetect™		•	•
Auto ID™		•	•
Embedded Training Videos		•	•
Hardware			
Battery Power	•	•	•
WiFi Wireless		•	•
Bluetooth Long Range Wireless	TPR Tool Wireless	•	•
Headphone Jack		•	•
High Resolution Touch Screen Display		7" Capacitive	10"
Resistive			
VGA Video Out	•		•
Stereo Speakers			•
Wireless to the car VCI			•
Diagnostic Accessories			
High Speed Scope	Option		Option
Bluetooth Wireless TPMS			
Sensor Reprogramming	Option		Option
5-Gas Analyzer	Option		
Software			
Operating System	Lynx	Android	Windows 7
Internet Browser		•	•

BK **700-2614**

BK **700-6125**

OTC ENCORE™ DELUXE KIT

BK **700-6125** Kit includes OBD2 cable, USB cable, power adapter, and hard carrying case

**** 60-Day free trial of Direct Hit™***

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC ENCORE™ MASTER KIT

BK **700-6124** Kit includes OBD2 cable, all required OEM adapters from 2012-1996, Ford, BMW, Mercedes, Chrysler, Toyota, Mazda, Mitsubishi, Nissan & Kia, USB cable, power adapter, and hard carrying case

**** 60-Day free trial of Direct Hit™***

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC ENCORE™, ASIAN AND EUROPEAN SOFTWARE ONE-YEAR SUBSCRIPTION KIT

Provides frequent and valuable updates for new coverage, coverage enhancements, repair information and application improvements.

BK **700-2614**

Google play

OTC NAPA TOOLS & EQUIPMENT

7" :15

GENISYS™ HEAVY-DUTY STARTER KIT

Add Class 4-8 truck coverage to your Genisys™ with HD J1587/J1708 and J1939 CAN engine, transmission/ABS coverage and more! View and clear codes, view vehicle data such as:

- Engine speeds
- Engine ECU temperature
- Engine intercooler temperature
- Percent accelerator pedal position
- Engine coolant temperature
- Battery volts
- Alternator volts
- Air inlet temperature

Contents: Nine-pin Deutsch cable, 6-pin Deutsch cable, heavy-duty system smart insert, smart card and PC software CD.

NOTE: Minimum System 3.0 1GB Memory Upgrade required for full function.

BK **700-3118**

GENISYS™ OBD2 SMART CABLE

Provides the combined power of over 50 smart system inserts, as well as automatic all-module testing, without switching inserts.

NOTE: 2006 Asian/Domestic or newer software required.

BK **700-2784**

GENISYS™ 9.6 VOLT REPLACEMENT BATTERY

OEM replacement battery for Genisys™ scan tools.

BK **700-4121**

CODE CONNECT DIAGNOSTIC SCAN TOOL

Performs resets on steering and brake systems including steering angle sensors and BMW brake pads. GM, Ford, Hyundai, Toyota, Honda, Nissan and Chrysler vehicle coverage for airbag and ABS systems. OBD2 global data including oxygen sensors and mode 6. AutoID automatically populates vehicle data for almost 2000 and newer vehicles. Identifies most CAN vehicles, records and plays back live data, monitors charging and monitors battery and alternator systems. The OTC 3210 is a replacement for the 3111PRO unit which upgrades the screen to color and includes more vehicle coverages, and top reported fixes. Expanded coverage includes BMW, Mercedes-Benz, Smart, Land Rover, Audi, Jaguar and Volvo. Includes Asian and domestic manufacturers.

BK **700-2747**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OBD2, ABS & AIRBAG DIAGNOSTIC SCAN TOOL

Color Screen. View all models OBD2 global data including oxygen sensors and mode 6. Reads and displays ABS and airbag codes. Updateable - USB update and cable included. Battery, alternator, and charging system monitor. Graph, record and playback live data. Full manufacturer specific code definitions - specific to make/year/model/year/engine. Live data with color screen tool. Updated with 2013 model year coverage. Record and playback live data. Monitor battery, alternator, and charging systems. AutoID upon plugging the tool in will automatically populate vehicle data for most 2000 and newer vehicles. Works with all 1996 and newer vehicles (OBD2, CAN, EOBD).

BK **700-2642**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MULTI-MEDIA INTERFACE TESTER (MIT)

Verify aux jack, USB connection and bluetooth connectivity with the OTC Multimedia Interface Tester (MIT). Will pair via bluetooth, auxiliary or USB to vehicle to diagnose connectivity issues. Verify and diagnose customer complaints when connecting with infotainment systems. Provides a clean signal for accurate and reliable diagnostics. Includes a storage case that will accommodate the MIT and related adapters, etc. Works on Ford, GM and Hyundai vehicles.

BK **700-2615**

OBD2 / CAN BREAK OUT BOX

Use this tool for diagnosing electrical faults and CAN bus line activity. Check power and ground circuits, check active protocol lines, or connect a multimeter or oscilloscope for detailed signal analysis. Connects between Diagnostic Link Connector (DLC) and scan tool. Detects data and protocol communication. Monitors system voltage, display and high/low alarm. Connect leads for increased diagnosis, analysis and monitoring. Verify ECU activity, monitoring of OBD2 data lines, probe lines with scope or multimeter for detailed signal information, check and monitor battery voltage with continuous numeric display or voltage. Alarm warning when voltage drops below 11.6 Volt DC or rises above 15.2 Volt DC. 3-digit LED (resolution: 0.1 V). 16 outputs × 4.0 mm diameter with LED lamp indications. Up to 5.0 amp output. 7.0–20.0 Volts DC input. PTC fuse overload protection.

BK **700-3696**

OIL SERVICE LIGHT 2010 RESET TOOL KIT

Electronic tool set includes the adapters and interface module required to reset oil lights on many vehicles. Also includes detailing oil light reset procedures for manual resets. Features added functionality to reset maintenance and service interval lights.

BK **700-6119**

REFLECTIVE TAPE

For use with discontinued *BK* **700-1483** Digital Photo Tachometer.

BK **700-1484**

HIGH-VISIBILITY TEST LEADS

Constructed of high-quality polyurethane, these high-visibility, coiled-cord test leads have superior memory retention and resistance to grease/oil, making them the perfect compliment to any technician's arsenal of test equipment. Includes a variety of interchangeable tips suited for every application.
Twin 5' multimeter lead set. Expand the usefulness of any standard multimeter. Includes one black and one red test lead, two-multimeter probes, two banana plugs and four alligator clips.

BK **700-2434**

ANTIZAP AUTO SURGE PROTECTOR

Service a vehicle safely without disconnecting the battery. Simply clip the booster clamps to the battery and wait for the green light. While the green light is illuminated, the vehicle's on-board electronics are protected from surges and spikes. Protects stereo and electronic memories. Designed for 12 Volt DC systems. Fully insulated booster clamps. 18" cable length.
NOTE: Red light indicates NO anti-zap protection.

BK **700-3129**

MINI CIRCUIT TESTER

Locate and troubleshoot hot/primary circuits on all 6 and 12-volt systems. Heavy-duty lead and stainless steel probe for fast, safe and accurate low-voltage testing. Small, ergonomic design for use in tight areas.
Needle-sharp, stainless steel probe for easy wire piercing. Coil-cord, 12' test lead made from durable, high-visibility, heat and oil-resistant material. Threaded probe to add other screw-on type accessories. Bright, high-intensity bulb for easy visibility. Molded strain relief at both ends prevents broken wires. Heavy-duty clip.

BK **700-2437**

HEAVY-DUTY COILED-CORD CIRCUIT TESTER

Locate and troubleshoot hot/primary circuits on all 6 and 12-volt systems. Heavy-duty lead and stainless steel probe for fast, safe and accurate low-voltage testing. Coiled-cord, 12' test lead, made from durable, high-visibility, heat and oil-resistant material. Bright, high-intensity bulb for easy visibility. Molded strain relief prevents broken wires. Heavy-duty clip.

BK **700-2438**

HEAVY-DUTY LOGIC PROBE TESTER
Multi-functional design allows testing range of 3-26 volts. Bright red and green LEDs interpret voltage signals, such as ground, power and frequency. Tests fuel injectors, solenoids, presence of serial data and tach reference signals. Output tests on MAF, cam, crank, Hall Effect VRS sensors and more. High-impedance input compatible with computer circuits and sensors. Air bag safe. 12', heavy-duty, twin-clip, red coil-cord lead. Checks 6,12, and 24-volt systems. Ergonomic, slim-design, clear handle. Positive contact-molded strain relief. Heavy-duty stainless steel probe with insulated shaft.

BK **700-2491**

HEAVY-DUTY CIRCUIT TESTER
Designed for testing electrical circuits and locating shorts, grounds and open circuits. Heavy-duty, stainless steel probe with insulated shaft. Checks 6 and 12-volt systems. Straight, heavy-duty, 5' cord. Ergonomic, slim-design, clear handle. Bright red, slim-style replaceable bulb. Positive contact-molded strain relief. Heavy-duty clip with positive soldered connection.

BK **700-2492**

HEAVY-DUTY CIRCUIT TESTER
Long, 7" probe shank allows access to difficult-to-reach areas for testing electrical circuits and locating shorts, grounds and open circuits. Heavy-duty, 12', red coil-cord lead. Checks 6 and 12-volt systems. Heavy-duty, stainless steel probe with insulated shaft. Ergonomic, slim-style, clear handle. Bright red, replaceable bulb. Positive, contact-molded strain relief. Heavy-duty clip with positive soldered connection.

BK **700-2493**

ELECTRONIC IGNITION SPARK TESTER
A quick way to check no-start vehicles for ignition problems. Simply disconnect the plug wire and connect it to the tester. Clamp the tester to a good engine ground, crank the engine and watch for spark. Properly working electronic ignition systems will be able to jump a spark across the tester's spark gap (preset at 0.250 inches). This tool is recommended for checking spark on DIS or EDIS applications. A good DIS or EDIS will fire two testers at once. Using two of these allows for checking individual coil packs. This tester may not work on point-type ignitions because they may not generate enough spark to jump the wide gap).

BK **700-2456**

SCAN TOOL SOFTWARE
OTC Evolve software subscription renewal includes 12 months of new coverage updates, application enhancements and full access to the OTC Evolve's exclusive full-system wiring diagrams.

- Includes the OTC diagnostics for life lifetime hardware warranty
- Must continuously maintain, without interruption, an OTC Evolve software subscription for hardware warranty
- Hardware warranty applies to the Evolve scan tool tablet only

BKN **OTC3896-LTW**

NOID LIGHT FUEL INJECTOR WIRE HARNESS TEST KIT
Noid lights enable you to quickly determine if an electrical signal is present at the fuel injector. Just plug in and turn over the engine — a flashing noid indicates a good signal. Covers Bosch PFI, Ford TBI, Geo TBI, GM PFI/TBI/SCPI, and applications of Bosch II and Multec II. Kit also includes a harness extension for convenient remote viewing from driver's seat.

BK **700-1157**

GENISYS EVO™ USA KIT WITH TIRE PRESSURE RESET TOOL

Includes the Genisys EVO featuring System 4.0 with Code-Assist™ experienced-based Confirmed Fixes™ from Identifix®, NEW USA Domestic / Asian with ABS subscription based software including Pathfinder, Repair-Trac®, Fast fixesTM information, BONUS USA European software, InfoTech Component Information software, Automated System TestTM, OBD2 Smart Cable, USA Domestic and ABS/Airbag OEM vehicle cables (for GM, Ford, Chrysler, Jeep, Saturn), manuals, Smart Cards, and carrying case. Tire Pressure Reset tool kit includes; TPR handheld, DB25 wireless adapter, registration card, user manual for TPR and Genisys interface.

NOTE: OEM cables may be required for certain vehicle system functions.

BK **700-2275**

STRUTTAMER™ EXTREME SPRING COMPRESSOR

The most effective compressor for virtually any straight, conical or offset spring. Extreme-duty design handles the heavier springs on mid- and some full-size truck strut assemblies. Frame includes cross bracing at arm mount locations, eliminating flexing when compressing heavier springs. Gearbox allows for a 2:1 torque increase when compressing struts. Arms adjust in/out and up/down to accommodate many different spring sizes (2½"- to 10" diameter; 2½"- to 24" vertical stroke). Lock-rings hold arms in position, preventing spreading or sliding when compressing offset/unique strut configurations. Four-point locking jaws securely hold spring in place. Open-end design allows struts to be taken in and out with ease. Extra-long, three-bar handle provides necessary leverage to compress heavier strut springs—no need to change shoes for different size springs. Easy to transport when mounted on optional stand. Bridge Accessory (*BK* **700-2694**) included for use on springs that cannot be compressed enough to remove the retaining nut. Optional Stand (*BK* **827-3591**) features steel frame construction with two wheels.

BK **700-2694**

OTC® 130-AMP DIGITAL BATTERY LOAD/CHARGING/ STARTER/ALTERNATOR RIPPLE TESTER

Extra-large digital display, 130-amp battery load tester for accurate and easy-to-read test results. Performs multiple tests, including state-of-charge, starter/alternator system tests and an easy alternator ripple detection test with ripple detection light (separate ripple test lead included). Also features comfortable, ergonomic handle and side-clamp mounts for storage on wall or in tool box. Unique, heavy-duty insulated cable clamps with multi-functional jaws provide secure clamping ability on both side- and top-post batteries. For use on six- and 12-volt batteries with 0-16 volt range.

BK **700-2691**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC® EVOLVE SCAN TOOL WITH DOCK

- Full system wiring diagrams from Bosch included with software subscription are unique to Evolve and not offered on any scan tool in the market, featuring interactive, color guides.
- Extensive on-tool repair information helps technicians fix faster. Connecting Evolve to the internet unlocks 1-click access to Identifix with a paid subscription and full-system industry standard wiring diagrams included with software subscription.
- Constantly updating coverage enables diagnosing derivability issues on virtually any vehicle produced in the last 30 years and includes on-tool wiring diagrams for most vehicles, model years 1986 to present.
- Dual wifi architecture means a dedicated wifi connect to the handset VCI with simultaneous internet connection to the shop so technicians can move freely around the vehicle to check and test components while still being connected to the vehicle.
- The OTC Evolve diagnostic tool enables a streamlined diagnostic process for any issue a technician may face.
- Tool boots up quickly and helps increase speed during all diagnostic testing. Kit includes a tablet docking station and backpack for storage.
- The new Bravo 3.0 software layered over an Android operating system offers an easier to use, even more stable tool with additional vehicle coverage and capabilities.

BK **700-2751**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC® DIGITAL BATTERY/ CHARGING/ STARTING TESTER

Tests 12-volt batteries (125-1,400 CCAs) and measures multiple parameters, delivering accurate results. Bright, four-digit LED display indicates battery's good/bad status, internal voltage and available CCAs. Compensates for cold temperatures and low charges, and provides surface charge warning. Lightning-fast, one-second initial results detect and identify loose leads and bad cells. Measures multiple international units, including CCA, IEC, DIN, BCI and EN. CCA Resolution: 25.

BK **700-2692**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2-CHANNEL STARTER AUTOMOTIVE DIAGNOSTICS KIT

The Pico 2-Channel Starter Automotive Diagnostics Kit works with your PC to quickly and cost-effectively diagnose electrical, electronic and mechanical faults in gasoline, diesel, hybrid and electric vehicles without unnecessary teardown or guesswork.

- Hardware filters and frequency measurement
- USB 3.0 connected and powered (USB2.0 compatible)
- Free software updates
- Higher voltage range up to 200 V without attenuators
- ConnectDetect to ensure you have a good connection
- New floating inputs for non-grounded measurements and voltage drop tests
- Advanced triggers to capture intermittent faults

BKN **PITPP920**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

4-CHANNEL STARTER AUTOMOTIVE DIAGNOSTICS KIT

The Pico 4-Channel Starter Automotive Diagnostics Kit works with your PC to quickly and cost-effectively diagnose electrical, electronic and mechanical faults in gasoline, diesel, hybrid and electric vehicles without unnecessary teardown or guesswork.

- Hardware filters and frequency measurement
- USB 3.0 connected and powered (USB2.0 compatible)
- Free software updates
- Higher voltage range up to 200 V without attenuators
- ConnectDetect to ensure you have a good connection
- New floating inputs for non-grounded measurements and voltage drop tests
- Advanced triggers to capture intermittent faults

BKN **PITPP921**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

2-CHANNEL STANDARD AUTOMOTIVE DIAGNOSTICS KIT

The Pico 2-Channel Standard Automotive Diagnostics Kit works with your PC to quickly and cost-effectively diagnose electrical, electronic and mechanical faults in gasoline, diesel, hybrid and electric vehicles without unnecessary teardown or guesswork.

- Advanced triggers to capture intermittent faults
- New floating inputs for non-grounded measurements and voltage drop tests
- ConnectDetect to ensure you have a good connection
- Higher voltage range up to 200 V without attenuators
- Free software updates
- USB 3.0 connected and powered (USB2.0 compatible)
- Hardware filters and frequency measurement

BKN **PITPP922**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

4-CHANNEL STANDARD AUTOMOTIVE DIAGNOSTICS KIT

The Pico 4-Channel Standard Automotive Diagnostics Kit works with your PC to quickly and cost-effectively diagnose electrical, electronic and mechanical faults in gasoline, diesel, hybrid and electric vehicles without unnecessary teardown or guesswork.

- New floating inputs for non-grounded measurements and voltage drop tests
- ConnectDetect to ensure you have a good connection
- Hardware filters and frequency measurement
- USB 3.0 connected and powered (USB2.0 compatible)
- Free software updates
- Advanced triggers to capture intermittent faults
- Higher voltage range up to 200 V without attenuators

BKN **PITPP923**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

4-CHANNEL ADVANCED AUTOMOTIVE DIAGNOSTICS KIT

The Pico 4-Channel Advanced Automotive Diagnostics Kit works with your PC to quickly and cost-effectively diagnose electrical, electronic and mechanical faults in gasoline, diesel, hybrid and electric vehicles without unnecessary teardown or guesswork.

- USB 3.0 connected and powered (USB2.0 compatible)
- Free software updates
- Advanced triggers to capture intermittent faults
- ConnectDetect to ensure you have a good connection
- New floating inputs for non-grounded measurements and voltage drop tests
- Hardware filters and frequency measurement
- Higher voltage range up to 200 V without attenuators

BKN **PITPP925**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

4-CHANNEL MASTER AUTOMOTIVE DIAGNOSTICS KIT

The Pico 4-Channel Master Automotive Diagnostics Kit works with your PC to quickly and cost-effectively diagnose electrical, electronic and mechanical faults in gasoline, diesel, hybrid and electric vehicles without unnecessary teardown or guesswork.

- 20 MHz bandwidth, 12 to 16 bit resolution & sampling rate up to 400 million per second make a PicoScope fast enough to capture CAN & FlexRay signals
- Higher voltage range up to 200 V input reduces the need for attenuators
- CAN test box facilitates connection to vehicle's OBD port and breakout leads simplify connection to multiple sensors
- Adds precision pressure measurement in 3 ranges up to 500 PSI/34.5 BAR
- Floating input channels & available differential probes allow handling very high voltages of 1400 V & beyond

BKN **PITPQ039**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

3-AXIS NVH DIAGNOSTICS KIT

The Pico Diagnostics NVH kit facilitates the accurate collection of vehicle noise, vibration and harshness values during road testing and displays data on a PC in multiple formats to aid diagnosis and guide repair recommendations.

- Provides a full list of potential causes and recommended corrections
- Designed for road testing, workshop diagnosis and driveline balancing
- Simple bar charts and easy-to-read results with full analysis and advanced features such as waterfall and spectral displays available
- Multiple data sets can be stored, exported, shared, compared and displayed in full-screen with high resolution

BKN **PITPP986**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

4-AXIS NVH DIAGNOSTICS KIT

The Pico Diagnostics NVH kit facilitates the accurate collection of vehicle noise, vibration and harshness values during road testing and displays data on a PC in multiple formats to aid diagnosis and guide repair recommendations.

- Simple bar charts and easy-to-read results with full analysis and advanced features such as waterfall and spectral displays available
- Multiple data sets can be stored, exported, shared, compared and displayed in full-screen with high resolution
- Designed for road testing, workshop diagnosis and driveline balancing
- Provides a full list of potential causes & recommended corrections

BKN **PITPP987**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

WPS500X PRESSURE TRANSDUCER KIT

Performs quick and accurate pressure measurements including small exhaust pulses, vacuum tests, fuel pressure and in cylinder compression testing for enhanced diagnostic insight and prevent unnecessary teardown & guesswork.

- Rechargeable Li-Po battery powered to provide hours of operation free of connection to external power
- The WPS500X features an extremely fast 100 microsecond response time from 0% to 90% of full scale and sensitivity down to about 0.07 PSI (5 mbar)
- Auto zeroing, temperature compensated and designed with high noise immunity the WPS500X is far more accurate than traditional dial gauges

BKN **PITPP939**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

WPS500X MAXI PRESSURE TRANSDUCER KIT

The WPS500X Automotive Pressure Transducer performs quick and accurate pressure measurements ranging from very small exhaust pulses up to 500 PSI. Compression values enhance diagnostic insight and prevent unnecessary teardown and guesswork.

- Rechargeable Li-Po battery powered to provide hours of operation free of connection to external power
- Auto zeroing, temperature compensated and designed with high noise immunity the WPS500X is far more accurate than traditional dial gauges
- The WPS500X features an extremely fast 100 microsecond response time from 0% to 90% of full scale and sensitivity down to about 0.07 PSI (5 mbar)

BKN **PITPQ038**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

CAN TEST BOX

The CAN Test Box provides easy access to the 16-pin diagnostic connector to check power, ground and CAN bus signal quality with a PicoScope automotive scope using the unit's supplied test leads.

- OBD2 Capable
- Provides convenient jumper wire connection point for flash code access or initialization procedures, as well as memory save device connection
- LEDs illuminate when signal data is present on the corresponding pin of the DLC with pulsing LEDs indicating active high/low signal transfers
- Compatible with both 12 V and 24 V vehicles

BKN **PITPP619**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

POWER PROBE™ IV CIRCUIT TESTER

Power Probe IV diagnostic electronic circuit and component tester supplies battery power and ground. Featuring gold-plated 4mm banana jack, easy-to-read large color LCD screen with easy to navigate user menu, AC/DC voltmeter, ohmmeter, frequency, pulse width (positive and negative) and additional diagnostic modes: fuel injector tester, PCM/ECM driver tester and ECT2000 Signal Tracer (sold separately). Supplies power and ground for functional component testing. Fuel injector tester for easy circuit diagnosis. Digital volt and ohmmeter for circuit testing. AC-RMS, AC Peak-To-Peak, Frequency and pulse width for signal testing. PCM/ECM driver supplies safe voltage for testing computer driver circuits. 23' battery power supply cable length. Bright white LEDs flashlight for increased visibility. Self-resetting and replaceable circuit breaker. Ergonomic handle design.
Applications: Electronic circuits, ECM / PCM driver, fuel injectors, signal tracing, power, ground and components.
Contents: (1) Probe meter, cables, (1) manual and (1) case.

BK **700-2930**

⚠ **WARNING: This product contains chemicals known to the State of California to cause Cancer and Birth defects or other Reproductive Harm. For more information go to www.P65Warnings.ca.gov.**

POWER PROBE – ECT3K MASTER KIT

Verify Computer driver operation. Verify fuel injector operating values. Auto-locking signal. Distance from trace wire indication. Connects to vehicle battery. Adjustable sensitivity. Short/open circuit indicator. Direction to Short Indication. Take Voltage and Resistance readings. Ergonomic housing design. Power Probe 4 master kit with PPECT3000. Power Probe 4 included.

BK **700-2649**

⚠ **WARNING: This product contains chemicals known to the State of California to cause Cancer and Birth defects or other Reproductive Harm. For more information visit www.P65Warnings.ca.gov.**

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Power Probe® & ProFlex+

POWER PROBE

POWER PROBE™ CIRCUIT TESTER

Power supply to activate electronic components, power and ground feed tester, high impedance circuit tester with digital voltmeter and diagnostic tester modes. Resettable circuit breaker, replaceable switch, audible monitoring, audio tone. Mute button, voltage drop detection, back lit screen, bad ground indicator, continuity tester, flashlight LED's, 4 mm standard banana jack, apply power, apply ground, relay tester, short circuit indication, high impedance test light, volt meter. Volt meter min / max, peak to peak, peak to peak min / max. 20' jumper lead, 18 gauge hook up cables. 8 Amp max continuous load, 25 Amp for 2 seconds max intermittent load. 12 - 24 Volt DC voltage range up to 70 Volt AC / DC.

BK **700-2922**

⚠ **WARNING: This product contains chemicals known to the State of California to cause Cancer and Birth defects or other Reproductive Harm. For more information go to www.P65Warnings.ca.gov.**

POWER PROBE

POWER PROBE™ CIRCUIT TESTER

Power supply to activate electronic components, power and ground feed tester, high impedance circuit tester with digital voltmeter and diagnostic tester modes. Resettable circuit breaker, replaceable switch, audible monitoring, audio tone, mute button, voltage drop detection, back lit screen, bad ground indicator, continuity tester, LED flashlight, 4 mm banana jack, apply power, apply ground, relay tester. Short circuit indicator, high impedance test light, volt meter, volt meter min / max, peak to peak, peak to peak min / max, 20' jumper lead, 18 gauge hook up cables. 8 Amp max continuous load, 25 Amps for 2 seconds max intermittent load. 12-24 Volt DC voltage range up to 70 Volt AC / DC.

BK **700-2924**

⚠ **WARNING: This product contains chemicals known to the State of California to cause Cancer and Birth defects or other Reproductive Harm. For more information go to www.P65Warnings.ca.gov.**

POWER PROBE

INTELLIGENT SHORT/OPEN FINDER

Intelligent Short/Open Finder with distance indication. Direction to Short Indication. Auto-locking signal. Distance from trace wire indication. Ergonomic housing design. Connects to vehicle battery. Receiver flashlight. Adjustable sensitivity. Short/open circuit indicator.

BK **700-2648**

⚠ **WARNING: This product contains chemicals known to the State of California to cause Cancer and Birth defects or other Reproductive Harm. For more information visit www.P65Warnings.ca.gov.**

PROFLEX+

SMOKE MONSTER DIAGNOSTIC SMOKE MACHINE

The world's lightest and smallest fully capable smoke machine weighing in at only 5.2 lbs.

- New ceramiheat technology makes thicker, denser smoke
- Detachable cables and hoses make the unit field serviceable, guaranteeing less down time
- Detects leaks as small as 0.010 in. and performs air leak decay tests
- Bonus cone for testing EVAP gas filler neck included
- 1.5 PSI
- Baby Oil/Mineral Oil operating fluid type
- Uses shop air

BK **PROS-25**

PROFLEX+

SMOKE MONSTER DIAGNOSTIC SMOKE MACHINE

- New ceramiheat technology makes thicker, denser smoke
- Detachable cables and hoses make the unit field serviceable, guaranteeing less down time
- Detects leaks as small as 0.010 in. and performs air leak decay tests
- Bonus cone for testing EVAP gas filler neck included
- 1.5 PSI
- Baby Oil/Mineral Oil operating fluid
- Built-in compressor

BK **PROS-75**

PROFLEX+

SMOKE MONSTER 2-IN-1 DIAGNOSTIC SMOKE MACHINE

Equipped with a built-in air compressor, the TURBO™ can perform a variety of tests on both regular cars and light trucks and the push of a button, switch to turbo mode and test single turbo, twin turbo and supercharged vehicles.

- New ceramiheat technology makes thicker, denser smoke
- Detachable cables and hoses make the unit field serviceable, guaranteeing less down time
- Detects leaks as small as 0.010 in. and performs air leak decay tests
- Bonus cone for testing EVAP gas filler neck included
- 1.5 PSI/15 PSI Turbo mode
- Baby Oil/Mineral Oil operating fluid type

BK **PROS-500T**

PROFLEX+

PROFLEX+ SMOKE MONSTER 2-IN-1 SMOKE MACHINE

The Pro S-600T TURBO™ is 2 machines in 1. Equipped with a built-in air compressor, the TURBO™ can perform all the below tests on both regular cars and light trucks and with the push of a button, switch to turbo mode and test single turbo, twin turbo and supercharged vehicles. Along with the fully-equipped regular accessory case containing all the tools you with need with the unit, two newly redesigned Bladder Blockers™ are also included.

- 5 Minute automatic shut down
- Runs on ordinary mineral oil/baby oil
- Detachable air/smoke hose and battery cables
- Dual testing mode, smoke and air mode
- Visual monitoring of the fuel gauge (no more dip stick)
- Uses 12 Volt DC that clamps onto the car's battery
- Built-in flow meter determines a leak size as small as 0.10 inch
- Built-in gauge (measures fixed rate and performs air leak decay test)
- Regular car mode: Tests all non-turbo cars and light trucks and has a fixed air pressure rate of 1.5 PSI so not to harm the EVAP system and other vital systems
- On-board micro-processor and mother board computer system makes sure that the unit is running at peak efficiency and will shut the unit down in anything malfunctions
- Turbo mode: Tests vehicles that are equipped with a turbo charger and has fixed air pressure rate of 15 PSI to test the turbo charger system. When the unit is in Turbo Mode and is turned off, the unit will revert back to EVAP Mode

BK **PROS-600T**

PROFLEX+ SMOKE MONSTER HEAVY-DUTY SMOKE MACHINE

The NEW Pro S-2000HD HEAVY DUTY™ has been newly redesigned, it's user friendly and easy to use. It was developed for the heavy duty market as well as agricultural, mining, industrial, engineering and much more. Full testing capabilities from the airbox all the way through to the exhaust system. Cabin vent testing which is crucial to find leaks of CO2 emissions that can be hazardous to the driver. Included is an accessory case containing all the tools you'll need: two newly redesigned Bladder Blockers™, detachable 16.25 ft battery cable, 16.25 ft. air/smoke hose, LED flashlight, halo, radiator plug adapters and air chuck connector.

- Lightweight
- Uses shop air
- Adjustable PSI from 0-110 psi
- Easy to use right out of the box
- Uses ordinary mineral/baby oil
- 52 in. miser wand included inside the box

BK **PROS-2000HD**

SMOKE MONSTER HEAVY-DUTY DIAGNOSTIC SMOKE MACHINE

Developed for the heavy-duty truck market as well as agricultural, mining, industrial, engineering and much more. Full testing capabilities from the airbox all the way through to the exhaust system, cabin vent testing and more.

- Lightweight and easy to use right out of the box
- Test pressure from 0 to 110 PSI
- Runs on shop air
- Includes 16.25 ft. detachable battery cable and hoses
- Includes 52 in. miser wand
- Bonus cone for testing EVAP gas filler neck included
- Baby Oil/Mineral Oil operating fluid type

BK **PROS-1000HD**

DIAGNOSTIC SMOKE MACHINE CAP PLUG KIT

Adapter plug assortment for smoke machines.

BK **501012**

DIAGNOSTIC SMOKE MACHINE EXHAUST CONE ADAPTER

Smoke Monster 2-in-1 cone adapter can be used to test the EVAP or exhaust system through the vehicle's gas tank filler neck.

- Fits all makes and models, including "Cap-less"
- Molds to any type of exhaust tailpipe
- Rubber

BK **501125**

DIAGNOSTIC SMOKE MACHINE VALVE CORE TOOL

Smoke Monster's EVAP removal tool for all cars and trucks.

BK **501131**

DIAGNOSTIC SMOKE MACHINE EVAP PORT ADAPTER

EVAP port hose adapter for testing the EVAP system.

BK **501132**

DIAGNOSTIC SMOKE MACHINE SMOKE FLUID

No need to pay high prices on "special" fuel or oil, Smoke Monster oil runs on ordinary baby oil/mineral oil. 3.3 oz.

BK **501134**

ProFlex+ & Redline

PROFLEX+

DIAGNOSTIC SMOKE MACHINE BLADDER BLOCKER

Smoke Monster's 3-in-1 bladder blocker can be used to block off the air intake, exhaust system (tail pipe) or to block turbo chargers.

BK **501136**

PROFLEX+

DIAGNOSTIC SMOKE MACHINE DETACHABLE 8.5 FT. HOSE

Smoke Monster's detachable hose makes your smoke machine field serviceable, with no down time or having to return the unit to the manufacturer. 8.5 ft. long. Fits *BK* **PROS-25**, *BK* **PROS-75** and *BK* **PROS-500T**.

BK **501138**

PROFLEX+

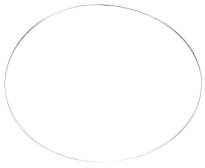
DIAGNOSTIC SMOKE MACHINE HEAVY-DUTY BLADDER BLOCKER

Smoke Monster's heavy-duty bladder blocker is used to test smoke stack/exhaust system on trucks.

BK **501144**

PROFLEX+

DIAGNOSTIC SMOKE MACHINE HALO/RING



Smoke Monster's heavy-duty halo us used with the heavy-duty bladder blocker to prevent unit from going too far down the smoke stack. Use with *BK* **PROS-1000HD.**

BK **501145**

PROFLEX+

DIAGNOSTIC SMOKE MACHINE WAND

Smoke Monster's heavy-duty smoke wand has a removable tip to change from small to large opening.

- Expandable to 52 in.
- Use with *BK* **PROS-1000HD**

BK **501147**

PROFLEX+

DIAGNOSTIC SMOKE MACHINE 16.25 FT. DETACHABLE HOSE

Smoke Monster's detachable hose makes your smoke machine field serviceable, with no down time or having to return the unit to the manufacturer.

- 16.25 Ft.
- Fits *BK* **PROS-1000HD**

BK **501148**

PROFLEX+

EVAP LEAK DETECTOR DETACHABLE BATTERY CABLES

Smoke Monster's detachable 12 volt battery cables make the unit field serviceable. No more down time or returning unit to the manufacturer to replace the battery cables.

BK **501137**

PROFLEX+

EVAP LEAK DETECTOR HEAVY-DUTY DETACHABLE BATTERY CABLES

Smoke Monster's detachable 12/24 volt battery cables make the unit field serviceable. No more down time or returning the unit to the manufacturer to replace the battery cable.

BK **501149**

REDLINE DETECTION.COM

SMOKE PRO® TOTAL TECH® SMOKE MACHINE

The new and improved, Smoke Pro® Total Tech® 3C, is a professional grade tool that uses pressure, vacuum and visual vapor to quickly diagnose trouble codes, pinpoint EVAP leaks, cooling system leaks, intake and exhaust leaks, wind and water intrusion, saving you valuable time. It gives technicians full-featured diagnostic capabilities to detect, locate and repair leaks in sealed systems.

- Improve accuracy of repairs
- Greatly reduce diagnostic time
- Bolted smoke chamber assembly
- 0.010 inch minimum leak detection
- No limit operating altitude or humidity
- External compressed air pressure supply
- Vapor producing fluid lasts hundreds of tests
- Easy Intake for quick connection to intake and exhaust systems
- Made in USA

BK **950003C**

⚠ **WARNING: This product may contain trace lead (in brass) known to cause cancer or reproductionve harm. For more information go to www.P65Warnings.ca.gov**

REDLINE DETECTION.COM

READYSMOKE™ SMOKE MACHINE

ReadySmoke™ allows technicians to quickly detect, locate and repair leaks in any sealed system. It can pinpoint intake and EVAP leaks in minutes, saving hours searching for cracked or worn components and allowing technicians to show customers the faulty parts and needed repair. By testing with ReadySmoke™ after a part is replaced, technicians can confirm that the repair is complete, helping to eliminate comebacks.

- Vapor is free of dyes and other contaminants
- Included vapor producing fluid lasts hundreds of tests for low cost of operation
- Compact and portable, sized to fit in a toolbox drawer
- ASE Certified Master Tech technical assistance
- CE Certified for safety
- Made in USA

BK **950400**

⚠ **WARNING: This product may contain trace lead (in brass) known to cause cancer or reproductionve harm. For more information go to www.P65Warnings.ca.gov**

ACCESSORY KIT FOR SMOKE PRO® TOTAL TECH® W/ PLASTIC CASE

The complete kit includes: exhaust cone adapter, cap plug set, EVAP service port adapter with Schrader removal tool, halogen lamp, bottle of smoke producing oil and plastic carrying case. Suitable for use with any smoke machine.

BK **78-9003**

SMARTFIT™ UNIVERSAL COOLING SYSTEM TEST KIT

SmartFit™ Universal Cooling System Test Kit is the universal radiator adapter set with a pressure pump. It is the complete solution for pressure testing all radiators and plastic reservoirs in passenger vehicles and light-duty trucks. Made from the highest quality anodized aluminum and solid brass components, SmartFit™ is a professional-grade tool at an economical price.

BK **78-9017**

⚠ **WARNING: This product may contain trace lead (in brass) known to cause cancer or reproductive harm. For more information go to www.P65Warnings.ca.gov.**

INLET PRESSURE REGULATOR

This regulator has been designed for use in the inlet air supply of the Smoke Pro. It is tamper proof and preset at 90 PSI. This regulator will protect the flowmeter and increase its sensitivity. To install, simply connect to inlet of flowmeter.

BK **78-9007**

CAP PLUG ASSEMBLY

The cap plug set consists of a variety of cap plugs ranging from 1/8" to 4" in diameter. These cap plugs may be used to seal open intakes and other openings necessary to perform leak testing. Includes convenient storage bag. Suitable for use with any smoke machine.

BK **78-9008**

HALOGEN INSPECTION LAMP

This 12-volt halogen lamp is designed for automotive use. It features a swivel head and a 20' power cable to allow access to the chassis while clipped to the vehicle's battery. Lamp can be used with any smoke machine.

BK **78-9011**

EXHAUST CONE ASSEMBLY

The exhaust cone adapter fits into the tailpipe to seal the pipe and allows smoke to enter the exhaust system for leak testing. This cone may also be used to access the intake systems of many vehicles. Suitable for use with any smoke machine.

BK **78-9005**

HOOK ASSEMBLY

Stainless steel hook for hanging the Smoke Pro under-hood or chassis.

BK **78-9006**

COMPOUND PRESSURE GAUGE

This pressure gauge utilizes a 2½" dual scale dial. Full range from -30" to 30" H2O 0 to 1.1 PSI. The gauge is complete with a Redline designed protective rubber boot. Connection is ¼ NPT with center back mounting.

BK **78-9009**

REPLACEMENT HALOGEN LAMP

Replacement lamp for Smoke Pro® Halogen Inspection light. Type: 12VDC, 50 Watt, MR-16 spot.

BK **78-9002**

Redline

PLASTIC ACCESSORY CASE

Plastic case for housing all your Smoke Pro® Accessories and attachments. Does not include any accessories.

BK **78-9012**

SEALING DISKS

To ensure airtight seals, use with the Universal Filler Neck Connector.

Item No.	Description
BK **78-9013**	12 pack
BK **78-9014**	20 pack
BK **78-9015**	40 pack

EVAP SERVICE PORT KIT

The service port adapter connects to the OBD2 service port to allow access to the EVAP system. A Schrader valve removal tool is included. Suitable for use with any smoke machine.

BK **78-9004**

EASYEVAP™ UNIVERSAL FILLER NECK CONNECTOR

EVAP testing has never been simpler with the EasyEVAP™ universal filler neck connector. In seconds, this versatile adapter creates an air-tight seal with any vehicle's EVAP system, eliminating the need for searching for the EVAP service port. For capless filler necks, technicians can insert the new capless adapter to access the system. EasyEVAP™ is compatible with any smoke machine, not just Smoke Pro®, and removes cleanly from the gas cap. Includes (1) universal filler neck connector, (1) CapAdapt™ capless fuel neck adapter, and (12) sealing disks.

Item No.	Description
BK **78-9001**	EasyEVAP™ Universal Filler Neck Connector
Replacement Accessories	
BK **78-9013**	12-Pack Sealing Disks
BK **78-9014**	20-Pack Sealing Disks
BK **78-9015**	40-Pack Sealing Disks

⚠ **WARNING: (*BK* 78-9001) This product may contain trace lead (in brass) known to cause cancer or reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SMOKE PRODUCING FLUID

For use with Redline Smoke Machines. One 8 oz. bottle can service over 1000 vehicles! Mineral oil USP or NF, white medicinal (common baby oil) or food grade Type H1 with fragrance.

BK **78-9010**

EASYEVAP™ FILLER NECK CONNECTOR

EVAP testing has never been simpler with the EasyEVAP™ universal filler neck connector. In seconds, this versatile adaptor creates an air-tight seal with any vehicle's EVAP system, eliminating the need for searching for the EVAP service port. For capless filler necks, technicians can insert the new capless adaptor to access the system. It's compatible with any smoke machine and removes cleanly from the gas cap. EasyEVAP™ is an essential tool for late model cars with fuel tank rollover valves.

Contents: Universal Filler Neck Connector, Capless Fuel Tank Adapter and (12) Sealing Discs.

BK **78-3496**

⚠ **WARNING: This product may contain trace lead (in brass) known to cause cancer or reproductive harm. For more information go to www.P65Warnings.ca.gov**

EASY INTAKE™

Easy INTAKE™ is an inflatable block off bladder with a pressurized vapor pass-through that allows technicians to test an entire intake or exhaust system quickly and easily. Easy INTAKE™ can be used with any brand of smoke machine or diagnostic leak detector to block-off the system with its inflatable bladder and pressure the system with vapor through the pass-through to accurately locate leaks and find additional repair jobs.

Easy INTAKE™'s patented block off bladder conforms to any shape intake/exhaust: square, round, oval, rectangular and even severely angled and hard to reach intake/exhaust systems, while allowing vapor to pass through for fast diagnostics.

BK **78-3497**

⚠ **WARNING: This product may contain trace lead (in brass) known to cause cancer or reproductive harm. For more information go to www.P65Warnings.ca.gov**

STEELMAN

THERMAL IMAGING INSPECTION CAMERA

Thermal imaging camera with dual sensors blends visible picture with infrared heat map to provide an easy to read diagnostic picture.

- Transfer images by micro SD card or USB port
- LED light
- 8.25 L x 3.5 W x 2.375 H
- 2.4 in. high resolution screen display
- -4 to 572° F working temperature range

SER **79041**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

XTOOL USA NITRO LT DIAGNOSTIC TABLET SCAN TOOL

The Nitro LT is a professional bi-directional scan tool in a smaller package. The tablet features an 8 inch LCD touchscreen and a 4 core processor with 32GB of ROM. The Nitro LT has the same OEM level capabilities and key & remote programming functionalities as our 10 inch tools. A Military Grade aluminum shell, pre and post scan reports, Automatic Vehicle ID (2006 and newer), an open Android system to download third party applications, a special functions page, weekly updates and remote diagnostics are all standard. All interface and functions were designed by our L1 ASE Master Technicians. A tool for professional diagnostic techs, designed and engineered by diagnostic techs.

- One button pre and post scan professional PDF reports that can be printed or emailed
- Open Android™ Operating System – install third party apps and software
- Made from military grade aluminum in a layered structural design, for high impact resistance
- Program late-model smart keys, transponder keys and remotes
- Quad-Core processor with 32GM ROM and a Wire 16 pin OBD II connector
- Auto VIN ID is available on supported vehicle systems and modules
- OE-level functionality for Asian, European, domestic and exotic vehicle applications

Contents: Nitro Tablet, Military Grade Aluminum Case, DB9 to USB3.0 cable, charger for tablet, power cable US, USB3.0 main cable, cigarette lighter cable, DB15 main cable, OBDII 16 pin connector, battery cable, 15 connectors, tool case and user's manual

BKN **XTLNITRO-LT**

XTOOL USA NITRO XT DIAGNOSTIC TABLET SCAN TOOL

The Nitro XT professional scan tool is a 10.1 inch bi-directional scan tool featuring Smart Key making abilities, a tested tough aluminum housing, pre and post scan reports, automatic vehicle ID, an open Android system to download third party applications, a special functions page, weekly updates and remote diagnostics. This scan tool uses a wireless Bluetooth connector, has a 4 core processor, 4G of RAM and 64G of Flash memory. The tool works on domestic, Asian and European vehicles including exotics and comes in a plastic case with a full array of connections and cables.

- One button pre and post scan professional PDF reports that can be printed or emailed
- Open Android™ operating system – install third part apps and software
- Made from military grade aluminum in a layered structural design, for high impact resistance
- Program late model smart keys, transponder keys and remotes
- Quad-Core processor with 64 GB ROM for lightning fast operation
- Bluetooth VCI with 100-meter range
- Auto VIN ID is available on supported vehicle systems and modules

Contents: Nitro Tablet, military grade aluminum case, Bluetooth VCI data link connector, DB9 to USB3.0 cable, charger for tablet, power cable US, USB3.0 main cable, cigarette lighter cable, DB15 main cable, OBDII 16 Pin connector, battery cable, 15 connectors, tool case and user's manual

XTL **NITROXT**

XTOOL USA AUTOPROPAD TRANSPONDER PROGRAMMER SCAN TOOL

The AutoProPAD is the industry-leading automotive key and remote programmer. Transponder and remote programming of keys for over 85% of all vehicles on the road through smart technology. The Auto-ProPAD does not require any tokens or special subscriptions. Base and Advanced EEPOM and MCU re-flashing can be done. OBD2 Automotive diagnostic functions for ready and clearing fault codes as well as special functions make it a great mid-level diagnostic tool to diagnose no start issues that may not be related to keys and key programming.

- Transponder and remote programming: Acura, Audi, Fiat, Ford, GM, Honda, Hyundai, Infiniti, Isuzu, Jaguar, Kia, Lamborghini, Land Rover, Lexus, Mazda, Mercedes, Mitsubishi, Nissan, Porsche, Saab, Scion Subaru, Toyota and Volkswagen
- Basic and advanced EEPROM and MCU re-flashing. Replaces the need for any other re-flashing device
- PIN reading functionality for Chrysler, Isuzu, Nissan and VW is built in. Save your BIN file from the chip and the AutoProPAD analyzes the file and outputs the correct value
- Unlimited usages means no tokens to worry about. One full year of updates and support included, free of charge. After your first year, your machine continues working as it always did, even if you don't renew your subscription

- Free updates for one year. The AutoProPAD updates directly via the internet using built-in WiFi. Updates are being added regularly and frequently
- Automotive diagnostic functions for reading and clearing fault codes. Also includes a variety of other diagnostic capabilities. Full functioning OBD 2 diagnostic tool for auto shops
- Superior tech support XToolUSA can remotely control and diagnose your device using TeamViewer for any necessary assistance or updates

Contents: AutoProPAD main unit, all cables and adapters necessary for programing and auto diagnostics, OBD 1 adapter, EEPROM adapters, KC100 key tag tool, breakout box, charging box, USB C-Type data cable, USB 3.0 data cable, AC power cable, hard shell carrying case and user's manual

XTL **APPAD**

Xtool

XTOOL USA NITRO GT DIAGNOSTIC TABLET SCAN TOOL

The Nitro GT is a professional bi-directional scan tool in a smaller package. The tablet features a 10.1 inch LCD touchscreen and a 4 core processor with 64GB of ROM. The Nitro GT has the same OEM level capabilities and key & remote programming functionalities as the Nitro XT but with the addition of a J2534 interface. A military grade aluminum shell, pre and post scan reports, automatic vehicle ID (2006 and newer), an open Android system to download third party applications, a special functions page, weekly updates and remote diagnostics are all standard on the Nitro XT. All interface and functions were designed by our L1 ASE master technicians. A tool for professional diagnostic techs, designed and engineered by diagnostic techs and comes in a hard plastic case with a full array of OBD 1 and OBD 2 connectors and cables.

- One button pre and post scan professional PDF reports that can be printed or emailed
- Open Android™ operating system – install third party apps and software
- Made from military grade aluminum in a layered structural design, for high impact resistance
- Program late-model smart keys, transponder keys and remotes
- Quad-Core processor with 64GM ROM for lightning fast operation
- Bluetooth VCI with 100-meter range
- Auto VIN ID is available on supported vehicle systems and modules

Contents: Nitro Tablet, military grade aluminum case, Bluetooth VCI data link connector, DB9 to USB3.0 cable, charger for tablet, power cable US, USB3.0 main cable, cigarette lighter cable, DB15 main cable, OBD 2 16 pin connector, battery cable, 15 connectors, tool case and user's manual

XTL **NITROGT**

NITRO XT KEY MAKING SYSTEM

- System includes the hardware necessary to cut and program keys for most cars on the road today
- System contains the NITRO XT, a revolutionary automotive diagnostic tablet with the ability to program more car keys than any other machine in its class
- Included is the TRITON key cutting machine which can originate and duplicate 99% of all key types found in the world
- Key building set and remotes bundle from NITROUS KEYS, guaranteed to work with the NITRO and TRITON, provide the best starter set for new key making operations
- Designed for maximum profitability and quick turnaround for busy shops

Contents: *BKN* **XTLNITRO-XT** – NITRO XT 10.1" Bi-directional scan tool, *BKN* **XTLTRM1** – TRITON Key Cutting Machine, *BKN* **XTL27301238** – Nitrous Keys Remotes Complete Bundle, *BKN* **XTL27801294** – Nitrous Keys Full MFK Set (Heads, Blades and Chips)

BKN **XTLNITRO-XT-SYS**

TRITON KEY CUTTING MACHINE

- All-in-one machine with the ability to generate and duplicate more keys than any other machine in its class
- On-board touchscreen allows the technician or service writer to make the key selection, displays instructions on how to load the key, and cuts away
- Duplicates existing keys with easy-to-understand on-screen instructions
- Patented 4-way jaw (included) design that is capable of handling a majority of all automotive key cutting needs
- Unlimited, free updates for the life of your machine via Wi-Fi (no need to connect to a PC)
- Removable chip tray for easy clean-up
- Bolt down kit (sold separately) for the safe and secure mounting to work surfaces
- Onboard storage for all cutting bits and tracers
- 2-Year warranty, US based support and warranty center

Contents: Key cutting machine, cutter, decoder, 2.5mm T-wrench, 1.5mm L-wrench, M5 bolt, M3 bolt, calibration block, stopper, 24V adapter, brush and product manual

BKN **XTLTRM1**

XTOOLUSA NITRO XT KEY PROGRAMMER

The Nitro Scan Tool is a FULL system car diagnostic tool based on an Android system which includes the best key programming software on the market

- User interface was designed by US based ASE Certified Master Technicians
- Connect to OBDII through Bluetooth interface. Wi-Fi for flexibility in any situation
- Crystal clear 10-inch touch screen display features a 1280 x 800 resolution, providing an easy-to-read display in all lighting conditions
- Quick 1.8 GHz quad-core processor with 4 GB RAM and 64 GB hard drive
- Rugged shock-proof aluminum case is perfect for any shop environment
- Auto focus, 8 megapixel camera with integrated flash for high quality photos
- 10000 mAH battery allows for an 8-hour operation period – features fast charging and includes a power cable
- US-Based Support and Warranty Center

Contents: Full-Function key programmer, Class 1 Bluetooth VCI, included accessories, hard shell carrying case, product manual

BKN **XTLNITRO-XT**

XTOOL USA NITROUS KEYS

NITROUS KEYS REMOTES – COMPLETE BUNDLE

- Bundle comes with over 170 remotes
- Includes keys and remotes that are the most profitable and time efficient
- Covers 85% of cars on the road with the MFK Set (sold separately)
- Easy-to-read chart included with organized, numbered box set
- Year, make, model search available on website for quick and easy identification
- Location of remotes in box match website search results
- Great starter kit for a shop starting out in the key making service

Contents: (21) *BKN* **XTL27301231** – Ford, (27) *BKN* **XTL27301233** – GM, (26) *BKN* **XTL27301232** – Chrysler, (27) *BKN* **XTL27301234** – Toyota/Lexus, (25) *BKN* **XTL27301236** – Nissan, (28) *BKN* **XTL27301235** – Honda/Acura, (20) *BKN* **XTL27301237** – Hyundai/Kia/Mazda/Mitsubishi

BKN **XTL27301238**

XTOOL USA NITROUS KEYS

NITROUS KEYS FULL MFK SET (HEADS, BLADES AND CHIPS)

- Build hundreds of key types from this single set which reduces the need to stock
- Includes 77 heads (16 different OEM-style plastic key heads), 80 transponder chips (20 types), 240 various blades (24 types), and testing heads
- Year, make, model search available on website for type of blade, transponder chip and head to build a key from scratch
- Covers 85% of cars on the road with the Remotes Complete Bundle (sold separately)
- Three (3) pre-labeled plastic organizer cases for easy storage

Contents: *BKN* **XTL27701284** Heads Set - 77 Heads (16 types), *BKN* **XTL27600409** Blade Set – 240 Blades (24 Types), *BKN* **XTL27500679** Transponder Chip Set – 80 Chips (20 Types)

BKN **XTL27801294**

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Electric Vehicle Solutions

BOSCH
Invented for life

BOSCH EV860 DUAL BOLLARD EV CHARGING STATION

The weatherproof Bosch EV860 Dual Bollard uses a fully-sealed enclosure to provide reliable charging in any condition. An adjustable power output ranges from 12 - 32 amps to help you find the most efficient charge for your electric vehicle and existing wiring. The Level 2 240V American made EV860 lets you choose between 12 - 32 amps of power, and can charge compatible EVs up 5 times faster than a standard 110V outlet. The compact and durable design of the EV850 will withstand nearly any environment while taking up minimal space. Inside and out, the EV850 is versatile, reliable, and efficient.

BSD **EL50650GNTDA**

BOSCH EV850 SINGLE BOLLARD EV CHARGING STATION

The weatherproof Bosch EV850 Bollard uses a fully-sealed enclosure to provide reliable charging in any condition. An adjustable power output ranges from 12 - 32 amps to help you find the mostefficient charge for your electric vehicle and existing wiring. The Level 2 240V American made EV850 lets you choose between 12 - 32 amps of power, and can charge compatible EVs up 5 times faster than a standard 110V outlet. The compact and durable design of the EV850 will withstand nearly any environment while taking up minimal space. Inside and out, the EV850 is versatile, reliable, and efficient.

- Level 2 240V American made, lets you choose between 12 - 32 amps of power, and can charge compatible EVs up 5 times faster than a standard 110V outlet
- The compact and durable design will withstand nearly any environment while taking up minimal space
- SAE J1772 charging connector is compatible with all plug-in EVs in North America

BSD **EL50650GNTB**

BOSCH EV400 LEVEL 2 EV CHARGING STATION

The Bosch EV400 series charging station features a sleek compact design with an industry maximum 25-foot cord. As with all of our other charging stations, you can charge up to 6 times faster than the standard cord-set that is provided with your electric vehicle. The EV400 is made in the USA with quality materials. The charging station is simple and easy to mount. If you already have a 50-amp 240V receptacle installed, then all you need to do is plug-in the charging station, mount it directly on the wall on 2 simple wall screws, and start charging your vehicle.

Movable, plug-in installation allows charging when you need it. Unplug the EV400 to use the outlet for other 240V appliances when not charging

- 25' cable is the longest available for more versatility and installation locations
- NEMA 3R-rated enclosure for indoor or outdoor installation (Outdoor installation requires in-use cover over receptacle)

BSD **EL52503**

BOSCH EV810 RUGGEDIZED LEVEL 2 EV CHARGING STATION

- NEMA 4X-rated enclosure is weatherproof for safe charging in any weather or location
- High quality flexible rubber 18' cable withstands heavy duty use and weather
- Convenient installation options allow hardwiring from any side. Can also be fitted with a plug for a movable installation

BSD **EL50600D**

Schumacher

EV CHARGER

- Charging speed up to 3X faster than a Level 1 charger
- Offers both Level 1 and Level 2 charging options
- Universal connector works with any EV with a standard J1772 connector
- LED indicators to show charge status

NBC **SC1455**

CARLYLE TOOLS by NAPA

7 PC. INSULATED SCREWDRIVER SET

- Insulated screwdrivers rated up to 1,000 volt AC/DC, meets IEC 60900 & ASTM F1505 standards, GS & VDE certified, satin chrome plated finish for increased durability
- Comfort grip handles and bolster hole for increased torque

CHT **SDSI7**

4 PC. INSULATED PLIERS SET

- Insulated, dual layered TPR handles protect user from electrical shock
- 1,000 Volt AC or 1,500 Volt DC certified to IEC60900
- Lifetime Warranty

CHT **IPS4**

CARLYLE TOOLS by NAPA

BATTERY AND ELECTRICAL SYSTEM ANALYZERS

DHC **CBT2000**

DHC **CBT3000**

DHC **CBT3000T**

DHC **CBT6000HD**

Part No.	CC Amp Test Rating	Battery Starter / Alt Test	Battery Type Serviced	Amp Clamp Volt Probe Inputs	Ambient Temperature Compensation	Speed Test Battery packs	Cable Length
DHC **CBT2000**	2000 CCA	6/12V Battery Test 12/24V Starter & Alternator Test	Conventional, Maintenance Free, AGM, Gel Cell, Marine Starting Batteries and Start stop EFB	N/A	N/A	N/A	6 ft.
DHC **CBT3000**	3000 CCA	6/12V Battery Test 12/24V Starter & Alternator Test	Conventional, Maintenance Free, AGM, Gel Cell, Marine Starting Batteries and Start stop EFB	N/A	N/A	N/A	6 ft.
DHC **CBT3000T**	3000 CCA	6/12V Battery Test 12/24V Starter & Alternator Test	Conventional, Maintenance Free, AGM, Gel Cell, Marine Starting Batteries and Start stop EFB	Yes	Yes	N/A	6 ft.
DHC **CBT6000HD**	6000 CCA	6/12V Battery Test 12/24V Starter & Alternator Test	Conventional, Maintenance Free, AGM, Gel Cell, and Marine Starting Batteries	Yes	Yes	Yes	15 ft.

All Models Include: Molded case, Customizable Output Printer, 1 Year Warranty and Multi-Language support,

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

BATTERY AND ELECTRICAL SYSTEM ANALYZER

Compact Digital Battery & Complete Electrical System Tester

- 12V Battery Test up to 1200 CCA
- 12V Starter and Alternator Test
- For Conventional, Maintenance Free, AGM, Gel Cell and Marine Starting Batteries

DHC **CBT1200**

CARLYLE TOOLS by NAPA

DHC **324BT1000000**

DHC **1027241801**

DHC **1019309201**

LAUNCH

PORTABLE BATTERY TESTER

Handheld battery and system tester.

- Bad cell tested directly
- No heating discharge or spark
- Exports service records
- Auto temperature compensation
- Color-coded cables

BKN **LAT307050055**

⚠ WARNING: Cancer - Birth defect - www.P65Warnings.ca.gov.

DHC BATTERY AND ELECTRICAL SYSTEM ANALYZER ACCESSORIES

Item No.	Description
Replacement Cables	
DHC **324BT1000000**	Replacement Cable Ends
Accessories for *DHC* CBT3000T and *DHC* CBT6000HD	
DHC **1019309201**	Amp Clamp
DHC **1027241801**	Volt Probe

Battery Testing Equipment

LAUNCH

PORTABLE BATTERY TESTER WITH BUILT-IN PRINTER

Handheld battery and system tester with thermal printer.

- Fast test
- No heating or discharge
- Print report via computer
- Battery and circuit tested simultaneously
- Color-coded cables

BKN **LAT307050060**

⚠ WARNING: Cancer - Birth defect - www.P65Warnings.ca.gov.

LAUNCH

WIFI MINI PRINTER

WiFi mini printer for the PAD II AE (*BKN* **LAT301180411**)

- Prints live data
- Fits in your pocket
- Rechargeable battery

BKN **LAT307010002**

⚠ WARNING: Cancer - Birth defect - www.P65Warnings.ca.gov.

SOLAR

12 VOLT DIGITAL BATTERY AND SYSTEM TESTER WITH INTEGRATED PRINTER

The *SOR* **BA227** offers a complete testing solution for 12 Volt batteries and systems. Features an operating range from 6.5-15V and a testing capacity from 100-1400 CCA. Compatible with a wide variety of battery types, the *SOR* **BA227** is designed to test flooded, AGM flat plate, spiral wound, gel cell, start-stop AGM and enhanced flooded batteries. It features 36" cable leads, replaceable cable ends, temperature compensation and an easy-to-use interface.

- 12 Volt battery testing
- 6.5-15V Operating range
- 100-1400 CCA Testing capacity
- Temperature compensation
- Tests multiple battery types, including Start-Stop batteries
- Integrated printer
- Long 36' leads
- Multilingual operation
- Counter function to track tests performed
- Replaceable cable ends
- Backlit screen for clear viewing in low light
- 1 year limited warranty

SOR **BA227**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

DIGITAL BATTERY & SYSTEM TESTER WITH INTEGRATED PRINTER

The *SOR* **BA327** and *SOR* **BA427** offer complete testing solutions for 6 and 12 Volt batteries and 12 and 24 Volt charging systems. With an operating range of 1.5-30V, they can even test discharged batteries. Compatible with a wide variety of battery types, these digital testers feature 10' cable leads, replaceable cable ends, temperature compensation and a convenient storage case.

- Tests 6 and 12 Volt batteries
- Tests 12 and 24 Volt systems
- **BA327** – 40-2000 CCA Operating Range
- **BA427** – 40-3000 CCA Operating Range
- For conventional, AGM, Spiral Wound, Start-Stop and Gel Cell batteries
- Rating systems: CCA, DIN, JIS, EN, IEC.
- Backlit LCD screen
- Integrated printer uses standard thermal paper
- Unique warranty code generated for each test
- Counter function to track tester usage
- Reverse polarity and over-voltage protection
- **BA427** adds the ability to attach an optional volt probe or amp clamp (not included) to expand diagnostic capabilities
- **BA427** features a USB port to connect to PC management software

Item No.	Description
Accessories	
SOR **BA327**	40-2000 CCA Digital Battery/System Tester + Printer
SOR **BA427**	40-3000 CCA Digital Battery/System Tester + Printer
SOR **BAA3**	Replacement Cable/Clamp for BA327/BA427
SOR **BAA7**	Volt Probe Accessory for BA427
SOR **BAA8**	Amp Clamp Accessory for BA427

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

12V DIGITAL BATTERY & SYSTEM TESTER

- 100-1200 CCA operating range, 4.5 - 16V
- Tests conventional, AGM, Spiral Wound, Start-Stop and Gel Cell batteries
- Rating systems: CCA, CA
- LCD display ideal for bright or low light
- Reverse polarity and over-voltage protection

SOR **BA6**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

12V DIGITAL BATTERY & SYSTEM TESTER

- 40-1200 CCA operating range, 7.0 - 15V
- Tests conventional, AGM, Spiral Wound, Start-Stop and Gel Cell batteries
- Rating systems: CCA, CA, DIN, EN, IEC
- LCD display ideal for bright or low light
- Provides resistance value for each battery tested

SOR **BA9**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

6/12V 100A FIXED LOAD BATTERY TESTER

- Tests 6 and 12 Volt batteries
- True 100 Amp load
- Tests batteries to 1,000 Cold Cranking Amps
- Color-coded graduated scale meter
- Enables assessment of starting and charging system performance
- 1 year limited warranty

SOR **1852**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

12 VOLT CARBON PILE BATTERY LOAD TESTER

- Tests 12 Volt batteries to 1,000 CCA
- Variable load capability to 500 Amps
- Enables Starter and Alternator assessment
- Large, easy-to-read dual gauges
- Heavy-duty clamps penetrate corrosion on battery terminals
- 1 Year Limited Warranty.

SOR **1874**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

100-AMP BATTERY LOAD TESTER

Test batteries both on or off vehicle. Heavy-duty copper-plated clamps. Internal load unit with 100-Amp load capacity. Load safety switch to prevent arcing. Heavy-duty, nickel-plated, ventilated steel case. Works on both 6 or 12-volt batteries. Convenient carrying handle. Comes complete with a fully-illustrated instruction booklet. Tests voltage supply, cranking/charging volts, and good/bad battery. Volts: 0-7/0-15. Load Capacity: 100-Amps.

BK **700-1112**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BATTERY ELECTRICAL SYSTEM TESTER & CART

Tests charging/starting systems on 12, 12/24 and 24-volt vehicles. Carbon pile variable load capability provides accurate load testing for batteries rated up to 1,000 CCA. Cables, 8' long, 4 AWG feature 500-amp safety clamps with flexi-spring and patented side terminal adapters plus separate light gauge test leads for tighter spots. Inductive amp pickup measures current flow through any wire. Ten megohm input for today's high-tech systems. Reverse polarity protection against incorrect hook-up.

BK **817-1220**

OTC

DIGITAL BATTERY TESTER

Tests 12-volt batteries with 125-1,400 CCAs, measuring multiple parameters within battery to deliver accurate results. Bright, four-digit LED display indicates battery's good/bad status, internal voltage, and available CCAs. It even compensates for cold temperatures and low charges, and provides surface charge warning. Lightning-fast, one-second initial results, detect and identify loose leads and bad cells. Measures multiple inter-national units: CCA, IEC, DIN, BCI, and EN. CCA Resolution: 25.

BK **700-2692**

⚠ WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.

BATTERY LOAD TESTER

By applying a powerful, industry-leading 130-Amp load, this heavy-duty battery tester delivers more accurate results than conventional load testers. Use it to determine battery's state of charge, as well as cranking and charging volts. Large, easy-to-read display, and unique clamp design for side and top post batteries. Also features side-clamp mount for cable storage, convenient zero-adjust-to-reset pointer, and comfortable, ergonomic design. Multi-mount bracket for easy storage on wall or tool box.

BK **700-2690**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TOOL AID® TOOLS FOR THE PROFESSIONAL

ALTERNATOR-GENERATOR-STARTER CURRENT INDICATOR

Measures charging rate and starter current on one indicator. Induction-type meter. Needs no hook-up wires or cables, just hold meter over cable and read.

BK **700-1083**

⚠ WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Battery Testing Equipment & Battery Chargers

130-AMP DIGITAL BATTERY LOAD/ALTERNATOR RIPPLE TESTER

Extra-large, digital display, 130-Amp battery load tester for accurate and easy-to-read test results. Performs multiple tests including state-of-charge, starter/alternator system tests, and an easy alternator ripple detection test (separate ripple test lead included). Works on 6 and 12-volt batteries with 0-16 volt range. Also features ripple detection light, comfortable, easy-to-grip ergonomic handle, and side clamp mounts for storage on wall or tool box. Unique, heavy-duty, insulated cable clamps with multi-functional jaws provide secure clamping ability on both side and top-post batteries.

BK **700-2691**

⚠ WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.

6/12/24 VOLT CARBON PILE BATTERY LOAD TESTER

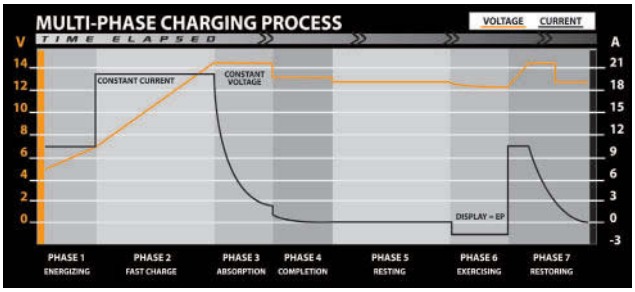
- Tests 6, 12 and 24 Volt batteries
- Variable load capability to 1,000 Amps
- Tests batteries to 2,000 CCA
- Enables Starter and Alternator assessment
- Large, easy-to-read dual gauges
- Heavy-duty clamps penetrate corrosion on battery terminals
- 1 Year Limited Warranty

SOR **1876**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

CARLYLE® AUTOMATIC BATTERY CHARGER/MAINTAINERS

- 6, 12 or 24 Volt operation.
- Two Tools in One – Automatic Battery Charger plus Advanced Battery Maintainer.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press "CHARGE".
- **Carlyle** battery chargers properly service all battery types
- Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time.
- Soft Start Mode – automatically engages for depleted batteries.
- Recondition Mode – automatically engages for damaged batteries.
- Temperature Compensation – adjusts charge based on ambient temperature, which can drastically affect how battery accepts a charge.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- One year limited warranty.



CARLYLE® 6/12V PORTABLE BATTERY CHARGER/MAINTAINERS

SOR **CPL2310**

- 6/12 Volt operation.
- *SOR* **CPL2310** – 10A high, 6A medium, 2A low charges rates (6 or 12V).
- *SOR* **CPL2320** – 20A high, 10A medium, 2A low charges rates (6 or 12V).
- Power Supply Mode
- Fully automatic, microprocessor-controlled operation.
- Properly services all battery types, including Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- Display provides state of charge and battery voltage details.
- Power Supply Mode
- Charger provides rich feedback throughout charging process.
- Reverse Polarity Protection.
- One year limited warranty.

Item No.	Description
SOR **CPL2310**	6/12V 10/6/2A Portable Charger/Maintainer
SOR **CPL2320**	6/12V 20/10/2A Portable Charger/Maintainer

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

CARLYLE® 10/6/2 AMP 12/24V INTELLIGENT BATTERY CHARGER/MAINTAINER

The power and precision of Carlyle® in a 24 Volt portable unit. Plus, the *SOR* **CPL2410** features 12 Volt operation to add versatility. It delivers fully automatic operation, it is very easy to use and delivers a proper, customized charge to every battery it services. Intelligent, beneficial, safe and versatile – it is an ideal universal battery service tool. Plus, with the ability to properly charge virtually any lead acid battery type, it is the only charger you will need. Flooded, AGM, Gel Cell, Spiral Wound, Marine and Deep Cycle batteries all can be charged right with the *SOR* **CPL2410**.

SOR **CPL2410**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

CARLYLE TOOLS by NAPA

CARLYLE® 20/10/2 AMP 12V INTELLIGENT BATTERY CHARGER/MAINTAINER WITH START ASSISTANCE

Combining fully automatic operation, the ability to properly charge multiple battery types and engine starting assistance capabilities, the Carlyle® *SOR* **CPL2545** is an ideal all-purpose charger to meet the needs of technicians and home enthusiasts. Intelligent, beneficial, safe and versatile – one charger does it all, from fast charging and battery repair to engine starting assistance and long term storage charging. Plus, with the ability to properly charge virtually any lead acid battery type, it is the only charger you will need. Flooded, AGM, Gel Cell, Spiral Wound, Marine and Deep Cycle batteries all can be charged right with the *SOR* **CPL2545**.

- 12 Volt battery charging
- 12 Volt engine starting assistance
- 20/10/2A charge rates
- 20A fast charge rate is ideal for charging large batteries
- Fully automatic operation
- Advanced multi-phase charging process
- Properly charges all lead acid battery types
- Soft Start Mode for severely depleted batteries
- Recondition Mode rejuvenates distressed batteries
- Enhanced maintenance mode for ideal long term storage
- Temperature compensation for more effective charging
- Reverse Polarity Protection and Battery Fault Detection
- Data rich display provides detailed feedback during charging

SOR **CPL2545**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

CARLYLE TOOLS by NAPA

CARLYLE® AUTOMATIC BATTERY CHARGER/MAINTAINER

- 6 or 12 Volt operation.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press "CHARGE".
- Properly services all battery types: Conventional, AGM, LifePo4, Spiral Wound, Deep Cycle and Marine.
- Advanced multi-phase charging process services each battery based on its specific needs for an optimal charge every time.
- Enhanced maintenance mode for ideal long term storage charging.
- Unique "Recovery Mode" enables the operator to choose how the charger will react to power outages.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- Multiple output accessories enable the operator to choose the best option for each application

Item No.	Description
SOR **CPL2140**	4A Battery Charger / Maintainer
SOR **PLA57**	4A Replacement Clamp Set
SOR **PLA58**	4A Replacement Ring Terminal Set
SOR **PLA59**	4A Replacement 12V Power Plug Adapter

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

CHARGE IT!

SOR **4520**

CHARGE IT! AUTOMATIC BATTERY CHARGERS

- Fully automatic, micro-processor-controlled operation
- Properly services all battery types: Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time
- Automatically enters maintenance mode upon charge completion
- Charging status LEDs provide feedback on progress (*SOR* **4506**)
- Digital display provide battery % of charge and voltage (*SOR* **4512** / *SOR* **4520**)
- Soft Start Mode – automatically engages as needed to protect depleted batteries
- Reverse Polarity Protection and Battery Fault Detection
- All models meet new efficiency requirements
- One year limited warranty.

Item No.	Description
SOR **4506**	6/12V 6/2A Portable Battery Charger
SOR **4512**	12V 12/6/2A Portable Battery Charger
SOR **4520**	12V 20/10/2A Portable Battery Charger

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

CHARGE IT!

6/12V 2.5A SMART CHARGER

The *SOR* **4502** from CHARGE IT! delivers accurate, reliable and convenient smart charging to a wide variety of battery types and sizes. Perfect for charging and maintaining the batteries found in cars, trucks, SUVs, vans, personal watercraft, motorsports vehicles, motorcycles and more. It delivers a 2.5 amp charge in 12 Volt mode via its automatic multi-stage charging sequence. Its small clamps are ideal for powersports, watercraft and other applications where access is difficult. Its display indicates charging status. 1 Year Limited Warranty. Meets new efficiency requirements.

SOR **4502**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

CHARGE IT!

12V 0.8A SMART CHARGER/ MAINTAINER

The *SOR* **4501** from CHARGE IT! delivers accurate, reliable and convenient charging to smaller batteries and maintaining to larger batteries. It provides 0.8 amps of charge via its automatic multi-stage charging sequence. Includes two output options: clamps or ring terminal adapters (either can be connected using the quick attach harness). 1 Year Limited Warranty. Meets new efficiency requirements.

SOR **4501**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

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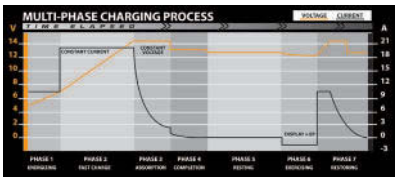
SOLAR PRO-LOGIX



PRO-LOGIX AUTOMATIC BATTERY CHARGER/MAINTAINERS

- 6, 12 or 24 Volt operation.
- Two Tools in One – Automatic Battery Charger plus Advanced Battery Maintainer.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press “CHARGE”.
- Power Supply Mode - Supplies clean power needed for diagnosis
- **PRO-LOGIX** battery chargers properly service all battery types
- Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time.
- Soft Start Mode – automatically engages for depleted batteries.
- Recondition Mode – automatically engages for damaged batteries.
- Temperature Compensation – adjusts charge based on ambient temperature, which can drastically affect how battery accepts a charge.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- One year limited warranty.

12V 4-BANK BATTERY MAINTENANCE STATIONS

SOLAR PRO-LOGIX battery maintenance stations are the perfect chargers to meet the needs of mechanical repair shops, collision repair facilities, fleet operations, marinas and consumers. They feature four independent output channels designed to properly charge a flooded or AGM (including Spiral Wound) battery. Because each output is independent of the others, a troublesome battery on one channel does not create problems for the other channels. They combine fully automatic operation with the ability to properly charge multiple battery types. Advanced charging logic, robust components, quick set-up and smart display feedback mean effective and efficient charging for your operation.

SOR **PL4020**

Item No.	Description
Accessories	
SOR **PLA61**	Standard Length Clamp Accessory for PL4020
SOR **PLA62**	Charging Extension Cable for PL4020
SOR **PLA63***	Short Clamp Output Accessory for PL4020
SOR **PLA64***	Short Ring Terminal Output Accessory for PL4020

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

***For use with PLA62 charging extension cable only.**

PRO-LOGIX PL2112 IS THE PERFECT BATTERY MAINTAINER

Combining fully automatic operation and the ability to properly charge multiple battery types, the PRO-LOGIX PL2112 is the perfect battery maintainer to manage all of the batteries in your life. Intelligent, beneficial, safe and versatile – one charger does it all, from periodic charging to battery maintenance and long term storage charging. It provides the ability to properly charge and maintain virtually any lead acid battery type, plus LiFePO4 lithium batteries. Flooded, AGM, Spiral Wound, Marine, Deep Cycle and LiFePO4 batteries all can be charged effectively with the PL2112.

- 12 Volt battery charging
- 1 amp charge rate
- Fully automatic operation
- Advanced multi-phase charging process
- Properly charges all battery types
- Soft Start Mode for severely depleted batteries
- Recondition Mode rejuvenates distressed batteries
- Enhanced maintenance mode for ideal long term storage
- Temperature compensation for more effective charging in all temperatures
- Reverse Polarity Protection and Battery Fault Detection
- Includes three output accessories: clamp set, ring terminal kit and 12V plug.

SOR **PL2112**

SOLAR PRO-LOGIX

PRO-LOGIX 6/12V PORTABLE BATTERY CHARGER/MAINTAINERS

SOR **PL2310**

- 6/12 Volt operation.
- *SOR* **PL2310** – 10A high, 6A medium, 2A low charges rates (6 or 12V).
- *SOR* **PL2320** – 20A high, 10A medium, 2A low charges rates (6 or 12V).
- Power Supply Mode
- Fully automatic, microprocessor-controlled operation.
- Properly services all battery types, including Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- Display provides state of charge and battery voltage details.
- Power Supply Mode
- Charger provides rich feedback throughout charging process.
- Reverse Polarity Protection.
- One year limited warranty.

Item No.	Description
SOR **PL2310**	6/12V 10/6/2A Portable Charger/Maintainer
SOR **PL2320**	6/12V 20/10/2A Portable Charger/Maintainer

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

10/6/2 AMP 12/24V INTELLIGENT BATTERY CHARGER/MAINTAINER

The power and precision of PRO-LOGIX in a 24 Volt portable unit. Plus, the *SOR* **PL2410** features 12 Volt operation to add versatility. It delivers fully automatic operation, it is very easy to use and delivers a proper, customized charge to every battery it services. Intelligent, beneficial, safe and versatile – it is an ideal universal battery service tool. Plus, with the ability to properly charge virtually any lead acid battery type, it is the only charger you will need. Flooded, AGM, Gel Cell, Spiral Wound, Marine and Deep Cycle batteries all can be charged right with the *SOR* **PL2410**.

SOR **PL2410**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

12V 1.5 AMP AUTOMATIC UNDERHOOD CHARGER

With underhood mounting and automatic operation, the *SOR* **1002** combines supreme convenience and reliable charging power in a lightweight, compact design. Perfect for keeping seasonal use and fleet batteries in top condition. Weather resistant plastic case. Battery attachment kit included. 1 Year Limited Warranty. Meets new efficiency requirements.

SOR **1002**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

20/10/2 AMP 12V INTELLIGENT BATTERY CHARGER/MAINTAINER WITH START ASSISTANCE

Combining fully automatic operation, the ability to properly charge multiple battery types and engine starting assistance capabilities, the PRO-LOGIX *SOR* **PL2545** is an ideal all-purpose charger to meet the needs of technicians and home enthusiasts. Intelligent, beneficial, safe and versatile – one charger does it all, from fast charging and battery repair to engine starting assistance and long term storage charging. Plus, with the ability to properly charge virtually any lead acid battery type, it is the only charger you will need. Flooded, AGM, Gel Cell, Spiral Wound, Marine and Deep Cycle batteries all can be charged right with the *SOR* **PL2545**.

- 12 Volt battery charging
- 12 Volt engine starting assistance
- 20/10/2A charge rates
- 20A fast charge rate is ideal for charging large batteries
- Fully automatic operation
- Advanced multi-phase charging process
- Properly charges all lead acid battery types
- Soft Start Mode for severely depleted batteries
- Recondition Mode rejuvenates distressed batteries
- Enhanced maintenance mode for ideal long term storage
- Temperature compensation for more effective charging
- Reverse Polarity Protection and Battery Fault Detection
- Data rich display provides detailed feedback during charging

SOR **PL2545**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

PRO-LOGIX AUTOMATIC BATTERY CHARGER/MAINTAINER

- 6 or 12 Volt operation.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press “CHARGE”.
- Properly services all battery types: Conventional, AGM, LifePo4, Spiral Wound, Deep Cycle and Marine.
- Advanced multi-phase charging process services each battery based on its specific needs for an optimal charge every time.
- Enhanced maintenance mode for ideal long term storage charging.
- Unique "Recovery Mode" enables the operator to choose how the charger will react to power outages.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- Multiple output accessories enable the operator to choose the best option for each application

Item No.	Description
SOR **PL2140**	4A Battery Charger / Maintainer
SOR **PLA57**	4A Replacement Clamp Set
SOR **PLA58**	4A Replacement Ring Terminal Set
SOR **PLA59**	4A Replacement 12V Power Plug Adapter

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

Battery Chargers

PRO-LOGIX

12V FLASHING POWER SUPPLY AND BATTERY CHARGER

SOR **PL6100**

SOR **PL6800**

PRO-LOGIX flashing power supply units (*SOR* **PL6100** and *SOR* **PL6800**) are designed to provide stable power, on demand up to 100 amps, to a vehicle electrical system to support module reprogramming. They also provide full service battery charging capability to service everything from small vehicle batteries to Group 31 batteries. In power supply mode, they provide power to maintain vehicle electrical system voltage at a preset level, increasing its output in response to system load increases to maintain a stable power environment for successfully reprogramming. They feature a voltage output range of 13.1-14.9V, adjustable in 0.1V increments, allowing the operator to dial the output in exactly as specified by the supplier of the vehicle under service. They feature fast load responsiveness for ultra-quick recovery from system demand increases. They also deliver massive power with minimal voltage ripple, providing a clean flow of power to the vehicle without risk of programming interference. In charging mode, the *SOR* **PL6100** and *SOR* **PL6800** utilize advanced microprocessor-controlled logic to precisely deliver a fully automatic charging routine designed to optimally charge and maintain each battery or battery pack serviced.
Both units feature the ability to properly charge a wide variety of lead acid battery types, including Conventional, AGM, Spiral Wound, Start-Stop, Deep Cycle and Marine batteries – for virtually any lead acid battery type installed in a vehicle, they can deliver a proper, beneficial charge. The *SOR* **PL6100** and *SOR* **PL6800** adapt their charging approaches based on the needs of each battery or battery pack it services. Such adaptations can include activating a soft start mode on deeply discharged batteries, a battery repair mode on older/distressed batteries and temperature compensation when charging in extreme temperatures. They also incorporate numerous features to make charging safer for the operator and the vehicle/battery being charged, including over-voltage protection, reverse polarity protection, smart clamp technology and battery fault detection.

Item No.	Description
SOR **PL6100**	12 Volt 100A Flashing Power Supply and 60/40/10A Battery Charger for Automotive Service
SOR **PL6800**	12 Volt 100A Flashing Power Supply and 100/40/10A Battery Charger for Fleet Service

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

10 AMP HIGH FREQUENCY CHARGER/MAINTAINER

- 12 Volts
- 6 Ft. Battery cables length
- 60 Hz Input frequency
- Water resistant

BK **HFBCM10A**

6 AMP DOUBLE VOLTAGE HIGH FREQUENCY CHARGER/MAINTAINER

- 12 Volt
- 6 Ft. Battery cable length
- 60 Hz Input frequency
- Rated for outdoor use
- Water resistant
- Automatic start mode

BK **HFDVBCM6A**

4 AMP DOUBLE VOLTAGE HIGH FREQUENCY CHARGER/MAINTAINER

- 12 Volt
- 6 Ft. Battery cable length
- 60 Hz Input frequency
- Rated for outdoor use
- Automatic start mode

BK **HFDVBCM4A**

HIGH-FREQUENCY 6/12V 3 AMP BATTERY CHARGER/MAINTAINER

NAPA's 3 amp automatic battery charger/maintainer keeps your 6 V and 12 V batteries at optimal capacity with fully automatic, high-frequency charging. Connect to your battery with the included clamps to keep your batteries ready to go.

- Offers an integrated mounting bracket
- Stay protected with reverse polarity protection included
- The included high-frequency technology makes this device faster, safer and smarter

BK **HFMC3A**

HIGH FREQUENCY 1 AMP BATTERY MAINTAINER/ CHARGER

NAPA's 1 amp automatic battery charger/maintainer is designed to maintain battery charge in stored vehicles including RVs, classic carts, marine deep cycle batteries and more. Each 12V battery maintainer provides fully automatic charging, battery clamps and o-ring connectors with a cutoff circuit protection.

- Offers an integrated mounting bracket
- Stay protected with reverse polarity protections included
- The included high-frequency technology makes this devise faster, safer and smarter

BK **HFMC1A**

HIGH FREQUENCY 6/12 VOLT 1.5 AMP BATTERY CHARGER/MAINTAINER

NAPA's 1.5 amp automatic battery charger/maintainer keeps you 6V and 12V batteries at optimal capacity with fully automatic, high-frequency charging. Connect to your battery with the included clips or battery terminal rings.

- Offers an integrated mounting bracket
- Stay protected with reverse polarity protection included
- The included high-frequency technology makes this device faster, safer and smarter

BK **HFMC15A**

MICRO-BOOST PORTABLE POWER BATTERY CHARGER

Micro-Boost is the smallest and lightest portable power unit on the market. It can easily be stores in glovebox, center console or purse. It uses 800mAh high capacity, high power, battery, that is fast charging and has low self-discharge, cycles can reach 1000 times.

- LED flashlight
- 200 cold cranking amps
- 12 Volt emergency start
- Multiple built-in safety features
- USB port for device use and charging
- Three lighting modes: standard, strobe and SOS
- 5" L x 3" W x 1" H

BK **540**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CHARGE IT! WHEEL CHARGERS

- Multiple Charge Rates
- Engine Starting Assistance
- Slimline design for easy shop mobility
- Meet new efficiency requirements
- One Year Limited Warranty

Item No.	Description
SOR **4735**	40/10/2/200 Amp 12 Volt Wheeled Battery Charger
SOR **4745**	40/20/2/230 Amp 12/24 Volt Wheeled Battery Charger

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

12/24V 60/40/10A WHEELED CHARGER WITH STABLE POWER MODE AND ENGINE STARTING ASSISTANCE

Combining fully automatic operation and the ability to properly charge multiple battery types, the PRO-LOGIX *SOR* **PL3760** is the perfect charger to meet the needs of today's and tomorrow's professional technician. Intelligent, beneficial, safe and versatile – one charger does it all, from fast charging and battery repair to battery maintenance and long term storage charging. Plus, with the ability to properly charge virtually any lead acid battery type, it is the only charger you will need. Flooded, AGM, Gel Cell, Spiral Wound, Marine and Deep Cycle batteries all can be charged right with the *SOR* **PL3760**.

- 60/40/10A 12V Charge Rates
- 20/10A 24V Charge Rates
- 12V 60A Stable Power Mode
- 24V 20A Stable Power Mode
- 12V 250A Engine Start Assistance
- Charges Flooded, AGM, Spiral, Deep Cycle and Marine batteries
- Ships fully assembled
- 2-Year Limited Warranty

SOR **PL3760**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

12/24V SMART STARTER

- Voltage Spike Protection
- Automatic Reverse Polarity Protection
- Unit powers the output leads only when a correct connection is made
- Automatic battery charger to recharge onboard batteries
- Accommodates two batteries to Group 31 Size
- Remote switch for safe operation
- Batteries not included
- 1-Year Limited Warranty

SOR **4001**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

Battery Chargers

SOLAR

FIXED MOUNT BOX 12/24 VOLT COMMERCIAL JUMP STARTER

The *SOR* **FMB1224** is specifically designed for permanent installation on a service vehicle providing service to heavy-duty fleets. Features (3) installed Group 31 AGM batteries, extra-long cables with heavy-duty clamps and automatic charging.

- Delivers 1,800 CCA in 12V mode; 900 CCA 24V mode
- Automatic 7A x 3 battery charger maintains unit when not in use
- Features 16' cable leads made of 4/0 welding cable
- Ships with (3) group 31 batteries installed
- Features alternator harness for on-vehicle recharging
- Each model is backed by a one year limited warranty
- Meet new efficiency requirements
- 1-Year Limited Warranty

Item No.	Description
SOR **FMB1224**	12/24 Volt Commercial Jump Starter

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

SOLAR

HEAVY TRUCK 12/24 VOLT COMMERCIAL CHARGER/ STARTER WITH AGM BATTERIES

Specifically designed for over-the-road transportation and heavy-duty implements starting applications. It exceeds the challenges of frigid weather and delivers the instant raw power of 1400 cold cranking amps in 12 Volt mode and 800 cold cranking amps in 24 Volt mode. Features 10 ft cable leads made of 1/0 cable to reach the starting points on vehicles of all shapes and sizes.

- 1400 cold cranking amps in 12 Volt mode
- 800 cold cranking amp in 24 Volt mode
- Automatic 7 Amp x 2 Channel Battery Charging System
- 10' Jumper Cable Leads
- Ships with (2) Group 31 AGM Batteries Installed
- 1 Year Limited Warranty

SOR **HT1224AGM**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

CRAFTSMAN 12V BATTERY CHARGER + ENGINE STARTER

175A ENGINE START | 25A BOOST | 6A CHARGE

Put the control back in your hands! For Engine Starting, Charging & Rugged Use. Solid performance, design and long-lasting durability make the this charger a great choice for professionals. It's Timer-Controlled and energy efficient. Plus the convenient retractable handle lets you store the unit in any shop area. Also includes an easy-to-read meter and compact wheels.

- 135 Minute Timer-Controlled | Auto-Shut-Off – for precision control over the charging process
- Advanced Battery Diagnostic Amp Meter – Reads state of health for improved diagnostics and engine start status
- Amp Meter – easy-to-read meter for amp and engine start status
- 12-foot total Reach – 6-foot power cord and 6-foot front-mounted output cables
- 8-Gauge Output Cables – stay flexible in cold weather
- Color-Coded Clamps – for a solid connection, on top & side mount battery post
- Retractable Handle
- Compact Wheel for Storage

NBC **CMX274**

SCHUMACHER 12V FULLY AUTOMATIC BATTERY CHARGER + ULTRA CAP JUMP STARTER TECHNOLOGY

1500A PEAK | 500A ENGINE START | 40A BOOST | 6A CHARGE

ULTRA CAP PORTABLE JUMP STARTER

- 1500 Peak Amp of Powerful Jump Starting - 10,000 cycle/10-year lifespan
- Cord Free - Detachable AC Cord for Portable Jump Starting

BATTERY CHARGER + ENGINE STARTER

- 40 Amp Boost Mode Ramps Up The Voltage & Sends A Quick Burst Of Energy Into The Battery To Quickly Bring Deeply Discharged Batteries Back To Life
- Digital Display, LED Indicators & Button Controls For Ease Of Use & Accuracy.
- Microprocessor Controlled For Faster, Safer, Smarter Charging
- Reverse Hook-up Protection
- Convenient Clamp Storage on retractable handle
- 12-Foot Reach 6-Gauge Output Cables

NBC **SC1634**

CRAFTSMAN 12V BATTERY CHARGER + ENGINE STARTER

175A ENGINE START | 25A BOOST | 6A CHARGE
Put the control back in your hands! For Engine Starting, Charging & Rugged Use. Solid performance, design and long-lasting durability make the this charger a great choice for professionals. It's Timer-Controlled and energy efficient. Plus the convenient retractable handle lets you store the unit in any shop area. Also includes an easy-to-read meter and compact wheels.

- 135 Minute Timer-Controlled | Auto-Shut-Off – for precision control over the charging process
- Advanced Battery Diagnostic Amp Meter – Reads state of health for improved diagnostics and engine start status
- Amp Meter – easy-to-read meter for amp and engine start status
- 12-foot total Reach – 6-foot power cord and 6-foot front-mounted output cables
- 8-Gauge Output Cables – stay flexible in cold weather
- Color-Coded Clamps – for a solid connection, on top & side mount battery post
- Retractable Handle
- Compact Wheel for Storage

NBC **SC1632**

SCHUMACHER 12V/24V BATTERY CHARGER + ENGINE STARTER

200A (12V) ENGINE START | 50A (12V) BOOST | 25A (12V/24V) BOOST | 10A (12V) CHARGE
Put the control back in your hands! For Engine Starting, Charging & Rugged Use. Solid performance, design and long-lasting durability make the this charger a great choice for professionals. It's Timer-Controlled and energy efficient. Plus the convenient retractable handle lets you store the unit in any shop area. Also includes an easy-to-read meter and compact wheels.

- 135 Minute Timer-Controlled | Auto-Shut-Off – for precision control over the charging process
- Advanced Battery Diagnostic Amp Meter – Reads state of health for improved diagnostics and engine start status
- 12-foot total Reach – 6-foot power cord and 6-foot front-mounted output cables
- Heavy-Duty 6-Gauge Output Cables – stay flexible in cold weather
- Large Professional Metal Clamps – for a solid connection, on top & side mount battery post
- Convenient Clamp Storage on retractable handle
- Compact wheel for shop storage
- Premium Knobs

NBC **SC1633**

SCHUMACHER 12V BATTERY CHARGER + ENGINE STARTER + ULTRA CAP JUMP STARTER TECHNOLOGY

800A PEAK
ULTRA CAP PORTABLE JUMP STARTER

- 800 Peak Amp of Powerful Jump Starting - 10,000 cycle/10-year lifespan
- Cord Free - Detachable AC Cord for Portable Jump Starting

300A ENGINE START | 30A BOOST | 5A CHARGE
BATTERY CHARGER + ENGINE STARTER

- 30 Amp Boost Mode Ramps Up The Voltage & Sends A Quick Burst Of Energy Into The Battery To Quickly Bring Deeply Discharged Batteries Back To Life
- Scrolling Digital Display, LED Indicators & Button Controls For Ease Of Use & Accuracy.
- Microprocessor Controlled For Faster, Safer, Smarter Charging
- Reverse Hook-up Protection
- Start/Stop Interface

NBC **SC1591**

6/12V 8-BANK AUTOMATIC BATTERY CHARGING STATION

Now you can charge up to eight 6V and 12V batteries simultaneously. This unit is safe and smart with each bank being completely automatic with a microprocessor to prevent overcharging, reverse polarity and short circuits. Solid performance, design and long-lasting durability make the DSR127 a great choice for professionals.

- Automatically adjusts from 2 to 12A output per bank
- Charges 6V and 12V Standard, AGM, Gel, deep-cycle and LFePO4 batteries
- Eight independent, fully automatic, microprocessor-controlled charging banks
- Eight detachable 6 foot cables with 75 Amp, color-coded clamps
- Separate digital display for each bank
- Heavy-duty steel case
- Multi-stage charging algorithm
- Safe-start, reverse polarity and short circuit protection
- Overcharge protection
- Thermal runaway protection
- Recovery mode – for sulfated Standard and AGM batteries.
- Start/Stop button
- Fan-cooled for dependability and peak performance
- Schu Eco Energy – meets the highest industry standards
- DOE compliant

NBC **DSR127**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Battery Chargers & EV Charging

NAPA Battery Chargers

CRAFTSMAN 6V/12V BATTERY CHARGER 15 AMP

IDEAL FOR RAPID CHARGING ALL POWER SPORT, CAR AND BOAT BATTERIES. Solid performance, design and long-lasting durability make this a great choice for all users. It's fully automatic operated and energy efficient.

- FULLY AUTOMATIC 15A RAPID CHARGER | 3A MAINTAINER
- FOR AUTOMOTIVE AND MARINE BATTERIES
- Charges 6V and 12V standard, AGM, gel cell and deep-cycle batteries
- Microprocessor-controlled
- Auto voltage detection
- Automatically selects charge rate for charging and maintaining
- Reverse hook-up protection
- Start/Stop interface
- Digital display for voltage and percentage of charge
- LED indicators and push button controls

NBC **CMX162**

BOSCH Invented for life

BOSCH EV 850 SINGLE BOLLARD EV CHARGING STATION

- Weatherproof bollard uses a fully-sealed enclosure to provide reliable charging in any condition
- Level 2 – 240V American made EV charging station with an adjustable power output ranges from 12 - 32 amps can charge compatible EVs up 5 times faster than a standard 110V outlet
- Compact and durable design will withstand nearly any environment while taking up minimal space
- Maintenance-free charging stations cover by a three-year warranty
- Also available, Bosch EV 860 Dual Bollard EV Charging Station featuring two galvanized steel bollard with the ability to charge two vehicles simultaneously, use part # *BSD* **EL50650GNTDA**
- Additional residential and commercial grade Bosch EV charging stations are available

BSD **EL50650GNTB** Single
BSD **EL50650GNTDA** Double

BOSCH Invented for life

BOSCH EV810 RUGGEDIZED LEVEL 2 EV CHARGING STATION

- NEMA 4X-rated enclosure is weather-proof for safe charging in any weather or location
- High quality flexible rubber 18' cable withstands heavy duty use and weather
- Convenient installation options allow hardwiring from any side. Can also be fitted with a plug for a movable installation

BSD **EL50600D**

BOSCH Invented for life

BOSCH EV400 LEVEL 2 EV CHARGING STATION

- Movable, plug-in installation allows charging when you need it. Unplug the EV400 to use the outlet for other 240V appliances when not charging
- 25' cable is the longest available for more versatility and installation locations
- NEMA 3R-rated enclosure for indoor or outdoor installation (Outdoor installation requires in-use cover over receptacle)

BSD **EL52503**

NAPA

EV CHARGER SC1455

Portable home 16A charging station with a J1772 universal connector for faster and worry free charging. IP 55 protection, charges overnight and stores inside for longer life.

- 3X FASTER CHARGING Charging Speed Up to 3x faster: This Level 2 EV charger can charge your vehicle 3x faster than the Level 1 charger. Always be prepared before you drive. 28-feet cord is long enough to reach the driveway from the wall socket.
- LEVEL 1 & LEVEL 2 Two Different Charging Options: This Level 2 EV charger works at 240V/16A with a NEMA 6-20P (like the dryer/washer outlet), and with a free adapter it could be changed into 120V/16A charging with NEMA 5-15.
- UNIVERSAL CONNECTOR Works with any EV with standard J1772 connector in North America, compatible with Chevy Volt/BMW/Nissan Leaf/Prius Prime/ Honda Clarity/Kia Niro/Toyota Prius/Fiat/Ford and Tesla (with J1772 adapter supplied by Tesla).
- PROTECTION & PERFORMANCE Excellent Protection Performance: Indoor installation for longer life span. Secure your charger with lighting / leakage / overcurrent / overvoltage protections. LED indicators help read the charging status and are easily visible in the dark.
- RELIABLE ASSURANCE The SAE Standard J1772 is UL listed.
- LED INDICATORS The four LEDs show charging status and are easy to see at night. See the user manual for more details.
- ERGONOMIC DESIGN The hand-held ergonomic design is comfortable to hold and the rubber cover on the top helps keep out water and dirt.
- 28 FT CORD / CORDE 28 FT

Compatibility: Tesla Model S, 3, and X (with J1772 adapter supplied by Tesla,) Chevy Volt (4.5H), BMW (5.5H), Nissan Leaf (4.5H,) Prius Prime (5.7H), Honda Clarity (5H).

Specifications:

Input: ..... 110-240V AC 16A 50/60HZ
Output: ..... 110-240V AC 16A 50/60HZ
Output Power: 3.8KW
Operating Temperature: ..... -22°F to 122°F
Mechanical Life: ..... no-load plug in/pull out > 10000 times

NBC **SC1455**

CARLYLE TOOLS by NAPA

PROFESSIONAL STARTING POWER

- The ease and convenience of automatic charging eliminates the possibility of overcharging and allows you to keep your **Carlyle** unit in an always-ready state.
- Long length, heavy-gauge cables remain flexible in extreme temperatures, enable efficient power transfer and allow ideal unit placement when jump starting.
- Heavy-duty clamps penetrate corrosion on battery terminals and transfer maximum jump starting power to the vehicle's battery.
- Conveniently located 12 Volt DC outlet with cover and overload protection for powering 12V accessories.

CARLYLE® 1,700 PEAK AMP JUMP STARTER

- 1,700 Peak amps of jump starting power
- 425 Cranking Amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade clamps penetrate corrosion on battery terminals for secure connection
- Built-in automatic charger – eliminates overcharging and never gets lost
- Battery status gauge provides specific state of battery charge
- DC outlet to power 12 Volt accessories
- 1 year limited warranty

SOR **CJNC660**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

CARLYLE® 1100 PEAK AMP 12V JUMP STARTER W/ AIR SYSTEM

The *SOR* **CJNC550A** offers powerful jump starting capability plus the convenience of an integrated air delivery system. The *SOR* **CJNC550A** delivers 1100 Peak Amps and 300 Cranking Amps of starting power, making it ideal for both professional and enthusiast applications.

- It features exclusive battery technology designed to provide extreme starting power, extended cranking duration, numerous jumps per charge and a long service life.
- A great power delivery system, able to power 12V accessories via its DC power port, as well as small electronics via its USB port.
- Automatic charging from a built-in charger, extra-long cables, a powerful work light and a rubberized base that won't scratch vehicle surfaces,
- *SOR* **CJNC550A** is as convenient as it is powerful. Its air deliver system features high CFMs to fill most passenger vehicle tires quickly and easily, an integrated gauge for confident top offs and a 24" long air hose with simple chuck for easy tire connections.

SOR **CJNC550A**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

CARLYLE® 1,100 PEAK AMP JUMP STARTER

- 1,100 Peak amps of jump starting power designed for automotive jump starting applications
- 325 Cranking amps of jump starting power
- 23", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade clamps penetrate corrosion on battery terminals for secure connection
- Built-in charger – the ultimate in convenience, it never gets lost
- Battery status gauge provides specific state of battery charge
- DC outlet to power 12 Volt accessories
- 1 year limited warranty

SOR **CJNC4000**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

CARLYLE® 2,000 PEAK AMP JUMP STARTER

- 2,000 Peak amps of jump starting power
- 700 Cranking amps of jump starting power
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and provide maximum power transfer to vehicle's battery
- Built-in automatic charger
- Battery status gauge provides specific state of battery charge
- 1 year limited warranty

SOR **CJNC950**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

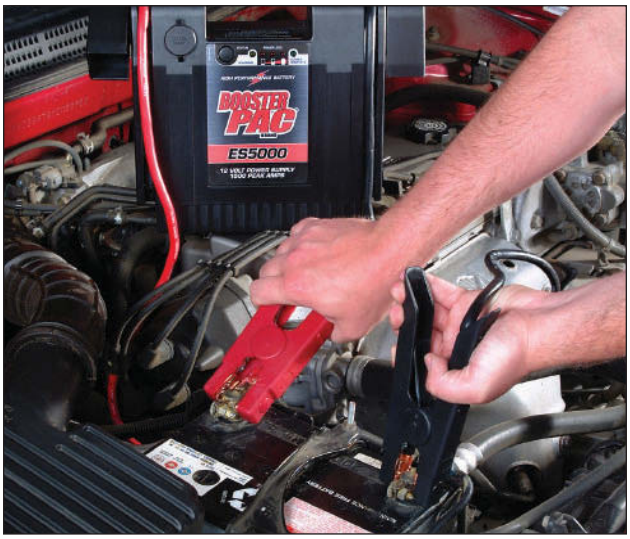
CARLYLE® 12/24 JUMP STARTER

- 3,400 Peak amps – 12 Volt, 1,700 Peak Amps – 24 Volt
- 850 Cranking amps of jump starting power (12 volt mode)
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and provide maximum power transfer to vehicle's battery
- Quick connects enable fast, easy change of voltage output from 12 Volt to 24 Volt and back again
- Built-in automatic charger
- Battery status gauge provides specific state of battery charge
- 1 year limited warranty

SOR **CJNC1224**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

Jump Starters



TRUCK PAC® 12/24 VOLT JUMP STARTER

Talk about versatility: the *SOR* **ES1224** provides both 12 Volt and 24 Volt jump starting all from the same unit. With the *SOR* **ES1224**, you can choose between 12 or 24 volt starting power with the turn of a switch. The **Truck PAC** from **Booster PAC**® offers extreme power to handle the most stubborn situations you encounter from both 12 volt or 24 volt systems.

- 3,000 Peak Amps – 12 Volt Mode
- 1,500 Peak Amps – 24 Volt Mode
- 750 Cranking amps of jump starting power (12V)
- Excellent for cold weather climates
- Ideal for automotive, fleet, heavy-duty, construction, marine and agricultural applications
- Featuring our exclusive **ES Series** battery, specifically designed for vehicle jump starting applications
- 60", #2 Gauge Cables
- Industrial Grade Hot Jaw™ clamps penetration corrosion on battery terminals
- Includes wall charger and 12 Volt Male-Male extension cord
- One year limited warranty

Item No.	Description
SOR **ES1224**	3,000 Peak Amp 12/24 Volt Jump Starter
SOR **ESA218**	Replacement Wall Charger for *SOR* **ES1224**
SOR **ESA1**	Replacement 12 Volt Male-Male Extension Cord

BOOSTER PAC BRAND TRUCK PAC BY BOOSTER PAC

PROFESSIONAL STARTING POWER

- Excellent for cold weather climates
- Featuring **ES Series** batteries, specifically designed for vehicle jump starting applications
- The ease and convenience of automatic charging eliminates the possibility of overcharging and allows you to keep your **Booster PAC** or **Truck PAC** in an always-ready state
- Long length, heavy-gauge cables remain flexible in extreme temperatures, enable efficient power transfer and allow ideal unit placement when jump starting
- Heavy-duty, Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and transfer maximum jump starting power to the vehicle's battery
- Conveniently located 12 Volt DC outlet with cover and overload protection for powering 12V accessories
- Battery Status LEDs provide a quick snapshot of battery condition, allowing easy assessment of unit's readiness
- Safety storage holsters prevent accidental sparking of clamps and rotate 90° for easy clamp removal

Features exclusive AWS - Advanced Warning System™ to alert the operator when specific unsafe jump starting conditions exist.

⚠ WARNING: (*SOR* ES1224) This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

⚠ WARNING: (*SOR* ESA218 & *SOR* ESA1) This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

TRUCK PAC BY BOOSTER PAC

TRUCK PAC® 3,000 PEAK AMP JUMP STARTER

- 3,000 Peak amps of jump starting power
- 800 Cranking amps of jump starting power
- The powerful *SOR* **ES6000** is perfect for heavy-duty starting in even the harshest environments
- Features dual **ES Series** batteries, specifically designed for vehicle jump starting applications
- Automatic charging allows you to keep it "always ready"
- 54", #4 gauge cables
- Battery status LEDs
- Includes wall charger and Male-Male 12 volt extension cord
- One year limited warranty

Item No.	Description
SOR **ES6000**	3,000 Peak Amp Jump Starter
SOR **ESA218**	Replacement Wall Charger for *SOR* **ES6000**
SOR **ESA1**	Replacement Male-Male Extension Cord

⚠ WARNING: (*SOR* ES6000) This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

⚠ WARNING: (*SOR* ESA218 & *SOR* ESA1) This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

BOOSTER PAC BRAND

BOOSTER PAC® 1,500 PEAK AMP JUMP STARTER

- 1,500 Peak amps of jump starting power
- 400 Cranking amps of jump starting power
- The powerful *SOR* **ES5000** is ideal for a variety of professional environments, from automotive to marine to agriculture
- Featuring our exclusive **ES Series** battery, specifically designed for vehicle jump starting applications
- Automatic charging allows you to keep it "always-ready"
- 43", #4 gauge cables
- Battery status LEDs
- Includes wall charger and Male-Male 12 Volt extension cord
- One year limited warranty

Item No.	Description
SOR **ES5000**	1,500 Peak Amp Jump Starter
SOR **ESA218**	Replacement Wall Charger for *SOR* **ES5000**
SOR **ESA1**	Replacement Male-Male Extension Cord

⚠ WARNING: (*SOR* ES5000) This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

⚠ WARNING: (*SOR* ESA218 & *SOR* ESA1) This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

BOOSTER PAC BRAND

BOOSTER PAC® 1100 PEAK AMP JUMP STARTER

- 1100 Peak amps of jump starting power
- 300 Cranking amps of jump starting power
- Easy-to-use and lightweight, this compact jump starter is powerful enough to start cars, trucks and marine equipment
- Featuring our exclusive **ES Series** battery, specifically designed for vehicle jump starting applications
- Automatic charging allows you to keep it "always-ready"
- 19", #4 gauge cables
- Battery status LEDs
- Includes wall charger and Male-Male 12 Volt extension cord
- One year limited warranty

Item No.	Description
SOR **ES2500**	1100 Peak Amp Jump Starter
SOR **ESA214**	Replacement Wall Charger for *SOR* **ES2500**
SOR **ESA1**	Replacement Male-Male Extension Cord

⚠ WARNING: (*SOR* ES2500) This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

⚠ WARNING: (*SOR* ESA214 & *SOR* ESA1) This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

JUMP n Carry

High Intensity Flashlight removes to reveal a 12 Volt outlet to power accessories.

JUMP-N-CARRY ULTRA-PORTABLE JUMP STARTER

- 900 Peak amps of jump starting power
- 225 Cranking amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- Convenient, compact, portable design makes the *SOR* **JNC300XL** the ultimate go-anywhere, store-anywhere jump starter
- 27", #4 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Status LEDs provide a quick snapshot of battery condition
- Full size clamps for strong battery connections
- One year limited warranty

Item No.	Description
SOR **JNC300XL**	900 Peak Amp Ultra-Portable Jump Starter
SOR **JNC214**	Replacement Wall Charger for *SOR* **JNC300XL**

⚠ WARNING: (*SOR* JNC300XL) This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

⚠ WARNING: (*SOR* ESA214) This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

SOLAR

MEMORY SAVER CONNECTOR

- Can be used in conjunction with a jump starter to preserve vehicle codes and electronic presets while a vehicle's battery is disconnected
- Interface connector between a jump starter and a vehicle's OBD II port
- Prevents electronic memory loss when disconnecting a vehicle's battery
- LED confirms a proper connection has been made to the OBD II port
- 90 Day limited warranty

SOR **ESA30**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

INDEX

Jump Starters

JUMP n Carry®

PROFESSIONAL STARTING POWER

- Featuring Clore PROFORMER batteries, specifically designed for vehicle jump starting applications.
- The ease and convenience of automatic charging eliminates the possibility of overcharging and allows you to keep your **Jump-N-Carry** unit in an always-ready state.
- Long length, heavy-gauge cables remain flexible in extreme temperatures, enable efficient power transfer and allow ideal unit placement when jump starting.
- Heavy-duty clamps penetrate corrosion on battery terminals and transfer maximum jump starting power to the vehicle's battery.
- Conveniently located 12 Volt DC outlet with cover and overload protection for powering 12V accessories.

JUMP-N-CARRY 12/24 JUMP STARTER

- 3,400 Peak amps – 12 Volt, 1,700 Peak Amps – 24 Volt
- 850 Cranking amps of jump starting power (12 volt mode)
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and provide maximum power transfer to vehicle's battery
- Quick connects enable fast, easy change of voltage output from 12 Volt to 24 Volt and back again
- Built-in automatic charger
- Battery status gauge provides specific state of battery charge
- 1 year limited warranty

SOR **JNC1224**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

JUMP-N-CARRY 1,700 PEAK AMP JUMP STARTER

- 1,700 Peak amps of jump starting power
- 425 Cranking Amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade clamps penetrate corrosion on battery terminals for secure connection
- Built-in automatic charger – eliminates overcharging and never gets lost
- Battery status gauge provides specific state of battery charge
- DC outlet to power 12 Volt accessories
- 1 year limited warranty

SOR **JNC660**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

JUMP-N-CARRY 2,000 PEAK AMP JUMP STARTER

- 2,000 Peak amps of jump starting power
- 700 Cranking amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and provide maximum power transfer to vehicle's battery
- Built-in automatic charger
- Battery status gauge provides specific state of battery charge
- 1 year limited warranty

SOR **JNC950**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

JUMP-N-CARRY 1,100 PEAK AMP JUMP STARTER

- 1,100 Peak amps of jump starting power designed for automotive jump starting applications
- 325 Cranking amps of jump starting power
- 23", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade clamps penetrate corrosion on battery terminals for secure connection
- Built-in charger – the ultimate in convenience, it never gets lost
- Battery status gauge provides specific state of battery charge
- DC outlet to power 12 Volt accessories
- 1 year limited warranty

SOR **JNC4000**

⚠ WARNING: This product can expose you to chemicals including vinyl-chloride, styrene, acrylonitrile and lead, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov

JUMP n Carry

1700 PEAK AMP PREMIUM 12 VOLT JUMP STARTER

Power. It's the calling card of a Jump-N-Carry. Absolutely reliable, get-it-done without question power. The new *SOR* **JNC770** is no exception. Its Clore PROFORMER battery is specifically developed to perform the jump starting application and is designed to deliver exceptional cranking power, extended cranking duration, numerous jumps per charge and long service life.

Plus, the *SOR* **JNC770R** includes numerous features to make jump starting more effective and convenient. Its 68" cable reach enables it to reach the starting points on vehicles of all shapes and sizes. It's PowerJaw clamps deliver maximum power transfer (rated to 1000 amps) and durability, thanks to their alloy core and dual molded design. A master ON/OFF switch ensures that the clamps are inactive during transportation and storage.

A 3A built-in, automatic charging system makes recharging the unit fast and hassle-free. Dual USB outlets and a high intensity LED task light provide added functionality. A Repair Service Coupon enables the end user to seek a low cost, fixed fee repair after the warranty period.

- 1,700 Peak amps
- 425 Cranking amps
- Master ON/OFF Switch
- Clore PROFORMER battery technology
- 68" #2 AWG welding cable leads
- Dual USB Outlets

SOR **JNC770R**

JUMP n Carry

SOR **JNC8550**

SOR **JNC8800**

12V ULTRACAPACITOR JUMP STARTER

Jump-N-Carry Ultracapacitor Jump Starters provide plenty of power for starting vehicles such as cars and light trucks. The units utilize an ultracapacitor power source which is largely unaffected by cold temperatures. The internal reserve power lithium battery powers the ultracapacitor when the disabled vehicle's battery is extremely discharged

- Extreme power at any temperature
- Reserve power lithium battery
- Heavy gauge cables with industrial grade clamps

Item No.	Start Assist Amps	AWG Cables
SOR **JNC8550**	550	46" #4
SOR **JNC8800**	800	68" #2

⚠ WARNING: (*SOR* JNC8550 & *SOR* JNC8800) This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

JUMP n Carry

12V JUMP STARTER 1700 PEAK AMP

The JNCAIR takes multi-function professional jump starting to a whole new level. Features our exclusive Clore PROFORMER battery technology, designed to deliver high peak amps, extended cranking power, numerous jumps per charge and a long service life.

Plus, with automatic charging from a built-in charger, extra long cables and integrated Air Delivery System, the JNCAIR is as convenient as it is powerful.

- 1700 Peak Amps
- 425 Cranking Amps
- Clore PROFORMER battery technology
- Extra-long 68" cables
- Industrial grade Hot Jaw clamps
- Built-in charger
- Automatic charging
- 12 ft. coiled air hose with screw-on chuck
- Voltmeter provides charge status of onboard battery
- 12VDC outlet to power accessories

SOR **JNCAIR**

NAPA

1400 AMP JUMP STARTER

NAPA's 1400 amp jump starter is a powerful all-in-one unit that can instantly start almost any vehicle up to V8-powered cars and trucks. This unit features heavy-duty powder coated metal clamps for reliable jump starting power.

- Includes a swivel LED work light
- Practical for everyday or emergency use
- Stay protected with a reverse polarity alarm included
- 12 Volts and USB outlets for charging small electronics

BK **JS1400ADC**

NAPA

1000 AMP JUMP STARTER

NAPA's 1000 amp jump starter will instantly start vehicles and motorbikes, even in extreme winter conditions. Powder coated heavy-duty metal clamps, and lightweight impact-resistant construction gives you reliable power when you need it most.

- Includes swivel LED work light
- Provides convenient power solutions with 3 USB power ports
- Stay protected with a reverse polarity alarm included
- 12 Volt

BK **JS1000A**

INDEX

Jump Starters & Portable Power Generators

1000 AMP JUMP STARTER WITH COMPRESSOR

NAPA's 1000 amp jump starter offers a portable, convenient way to jump start your battery without needing a second vehicle. With enough power to start your car, small truck, boat or tractor, this jump starter provides reliable multi-function use.

- Includes a swivel LED work light
- Provides convenient power solutions with 3 USB power ports
- Featuring a built-in 120 PSI air compressor to inflate low tires so you can keep moving in times of need
- 12 Volt

BK **JS1000AC**

700 AMP JUMP STARTER

NAPA's 700 amp jump starter will instantly start vehicles and motorbikes, even in extreme winter conditions. Powder coated heavy-duty metal clamps, and lightweight impact-resistant construction gives you reliable power when you need it most.

- Includes a swivel LED work light
- Provides convenient power solutions with 3 USB power ports
- Stay protected with a reverse polarity alarm included
- 12 Volts

BK **JS700A**

LIPO 800 AMP JUMP STARTER

Vector's 800 amp LiPo jump starter provides serious jump starting power in the palm of your hand with Compact Lithium Ion technology. Features a backlit display, SmartCable connectors and USB power ports, it's the perfect glove box companion for long road trips or everyday driving.

- Includes a LED work light
- Provides convenient power solutions with 2 USB power ports
- Stay protected with reverse polarity protection included
- 12 Volts

BK **JS800ALI**

LIPO 1000 AMP JUMP STARTER

Vector's 1000 amp LiPo jump starter provides serious jump-starting power in the palm of your hand with compact Lithium Ion technology. Featuring a backlit display, SmartCable connectors and USB power ports, it's the perfect glove box companion for long road trips or everyday driving.

- Includes a LED work light
- Provides convenient power solutions with 2 USB power ports
- Stay protected with reverse polarity protection included
- 12 Volts

BK **JS1000ALI**

SCHUMACHER LI PORTABLE POWER GENERATOR

330Wh LITHIUM RECHARGEABLE BATTERY

The Schumacher SL1460 Portable Power Generator is an excellent source of power for emergencies, tailgating and camping. A great alternative to a traditional generator, it supplies household AC power without fumes or fuel, making it safe for indoor use. This quiet powerhouse weighs only 7 lbs., yet runs for up to 14 hours and recharges in only 6.5 hours. Multiple DC and USB ports will keep all of your electronics and mobile devices charged.

- Easy to read LCD Display with backlight showing battery status, in/output status, fault/error status
- 200W (400W Surge) Modified Sine Wave Inverter
- (2) 110V AC Outlets with easy power on/off button
- (3) Faster Charge USB Ports 2.4A – 2X Faster charging, charges all USB devices
- (1) Type-C USB (Output) 3A – Charge ultra fast with 15W charging
- (2) DC Output port (12V, 10A total) – charging electronic devices or connecting a solar panel
- (1) 12V Accessory Output Port*NBC*

NBC **SL1460**

SCHUMACHER LI PORTABLE POWER GENERATOR

535Wh LITHIUM RECHARGEABLE BATTERY

The Schumacher SL1466 Portable Power Generator is an excellent source of power for emergencies, tailgating and camping. A great alternative to a traditional generator, it supplies household AC power without fumes or fuel, making it safe for indoor use. This quiet powerhouse weighs only 12 lbs., yet runs for up to 6 hours and recharges in only 9 hours. Multiple DC and USB ports will keep all of your electronics and mobile devices charged.

- Easy to read LCD Display with backlight showing battery status, in/output status, fault/error status
- 500W (1000W Surge) Modified Sine Wave Inverter
- (2) 110V AC Outlets with easy power on/off button
- (3) Faster Charge USB Ports 2.4A – 2X Faster charging, charges all USB devices
- (1) Type-C USB (Output) 3A – Charge ultra fast with 15W charging
- (2) DC Output port (12V, 10A total) – charging electronic devices or connecting a solar panel
- (1) 12V Accessory Output Port

NBC **SL1466**

SCHUMACHER LI PORTABLE POWER GENERATOR

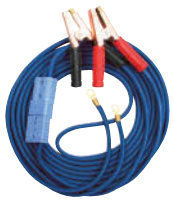
880Wh LITHIUM RECHARGEABLE BATTERY

The Schumacher SL1467 Portable Power Generator is an excellent source of power for emergencies, tailgating and camping. A great alternative to a traditional generator, it supplies household AC power without fumes or fuel, making it safe for indoor use. This quiet powerhouse weighs only 17 lbs., yet runs for up to 9.5 hours and recharges in only 14 hours. Multiple DC and USB ports will keep all of your electronics and mobile devices charged.

- Easy to read LCD Display with backlight showing battery status, in/output status, fault/error status
- 1000W (2000W Surge) Modified Sine Wave Inverter
- (2) 110V AC Outlets with easy power on/off button
- (3) Faster Charge USB Ports 2.4A – 2X Faster charging, charges all USB devices
- (1) Type-C USB (Output) 3A – Charge ultra fast with 15W charging
- (2) DC Output port (12V, 10A total) – charging electronic devices or connecting a solar panel
- (1) 12V Accessory Output Port

NBC **SL1467**

BK **782-5254**



BK **782-5259**

BK **782-5260**

BK **782-5252**

BK **782-5251**

100% COPPER BOOSTER CABLES

Featuring tangle-free cables with color-coded handles and Sure-Grip jaw clamps unless otherwise noted.

Item No.	Type	Gauge	Length	Amps	Description
BK **782-5254**	Professional	6	12'	400	Designed to grip side-mount or top-post terminals. Heavy-duty insulation. Pure copper heavy-duty conductors. Remains flexible down to -30° F (-34° C).
BK **782-5259**	Commercial	4	25'	600	Heavy-duty clamps, 5' connector cable plus 20' booster cable mounts to any service vehicle's battery. Both side-mount and top-post terminals. Pure copper conductor. Heavy-duty insulation remains flexible in sub-zero temperatures. Includes all installation hardware and connector protective cap.
BK **782-5260**	Commercial	4	5'	600	Mounts to any service vehicle's battery. Polarity protected. Weather-proof, plug-in connector. Heavy-duty, pure copper conductors. Includes all installation hardware. For use with *BK* **782-5259.**
BK **782-5252**	Commercial	4	20'	500	Safe-grip handles, marquette-type clamps, extra heavy-duty insulation and pure copper heavy-duty conductors. Remains flexible to -50°F (-46° C).
BK **782-5251**	Commercial	2	25'	600	Heavy-duty clamps with sure-grip handles. Grips, side-mount or top-post terminals. Welding cable-grade insulation with pure copper conductors. Sure-grip handles. Remains flexible in sub-zero temperatures.

⚠ WARNING: (*BK* 782-5260) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

BK **782-1653**

BK **782-1654**

BK **782-1655**

BK **782-1656**

BK **782-1657**

EVERCRAFT VALUE LINE BOOSTER CABLES

Item No.	Type	Gauge	Length	Clamp Amps	Description
BK **782-1653**	Light Duty	10	8'	250	Features color-coded, solid-copper clamps. All-weather construction stays flexible in cold temperatures. Versatile clamp design easily grips Side Mount or Top Mount terminals.
BK **782-1654**	Light Duty	8	10'	250	
BK **782-1655**	Light Duty	6	10'	350	
BK **782-1656**	Medium Duty	4	16'	400	Heavy-duty Sure-Grip parrot-style clamps feature solid copper contact pads for a tight grip on side-mount or top-post terminals. Color-coded handles and all-weather construction.
BK **782-1657**	Medium Duty	2	20'	500	

**** Represents maximum allowable clamp ratings and does not reflect cables actual maximum amp capacity.***

BK **782-4001**

CINCH-LOCK™ BOOSTER CABLES

Cinch-Lock™ technology provides safer and easier jump starts. Clamps lock onto terminals and stay safely locked during use. Heavy-duty, tangle-free cables fit top and side-mount batteries.

Item No.	Description
BK **782-4001**	Ultra Power™ (large cars/ mid-size trucks & SUVs) 6-gauge, 16'.
BK **782-4002**	Ultimate Power™ (large trucks & SUVs) 4 gauge, 20'.

⚠ WARNING: This product can expose you to chemicals including DEHP, which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BK **782-5272**

BK **782-5273**

BK **782-5269**

BK **782-5268**

REPLACEMENT CLAMPS

Feature one positive (red) and one negative (black) clamp. All will accept up to four-gauge cable, except *BK* **782-5268**.

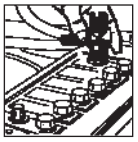
Item No.	Type	Amps	Description
BK **782-5272**	Professional	350	Copper construction with heavy-duty Sure-Grip insulated handles. Replacement clamps for *BK* **782-1655.**
BK **782-5273**	Professional	400	Polyethylene coated for maximum Heavy-Duty protection. Heavy-duty clamp springs. Grips both side-mount and top-post terminals. Replacement clamps for *BK* **782-5253** and *BK* **782-5254.**
BK **782-5269**	Commercial	500	Marquette-type clamp, featuring Heavy-Duty solid copper jaws ideal for booster cables and battery chargers. Replacement clamps for *BK* **782-5252**,*BK* **782-1656**, and *BK* **782-1657.**
BK **782-5268**	Commercial	600	Features Sure-Grip handles and Heavy-Duty solid copper construction for maximum current. Will accept up to 2 ga. cable. Replacement clamps for *BK* **782-5250**, *BK* **782-5251** and *BK* **782-5259.**

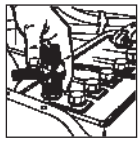
SIDE TERMINAL BATTERY WRENCH

Use this nickel-plated wrench for terminal batteries or any 5/16" terminal bolts. Durable, corrosion resistant and features insulated handle to reduce risk of electrical shock. Do not use with engine running.

SER **3367**

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.





BATTERY TERMINAL SPREADER & CLEANER

Sharp steel blades remove corrosion and put correct angle on terminal clamps and posts. Features six-blade tapered reamer to quickly clean terminal clamps.

SER **2173**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

REMOTE STARTER SWITCH

This remote starter switch allows one person to start and crank the engine from either side of the vehicle. A high current push button switch provides long life and reliable operation. Also, features high current clips with protective boots. 5' leads made of heavy duty oil and grease resistant 12-gauge wire.

BK **776-0022**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BATTERY LIFT & CARRY TOOL

For lifting and carrying batteries safely. Steel jaws securely grip battery just below top lip for good balance. Spring-action, form-fitting handle turns lifting power into battery gripping pressure, providing a solid gripping surface. Works on almost any battery, including boats and motorcycles.

SER **77-4014**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BATTERY CARRYING STRAP

Durable plastic strap carries top and side mounted terminal batteries. Length: 14".

SER **2279**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BATTERY SERVICE TOOL KIT

Helps to maintain batteries on most vehicles. Kit includes battery terminal puller, battery nut pliers, battery terminal spreader/cleaner, battery terminal brush and 5/16" x 10mm extra long battery wrench in roll pouch for easy storage.

Item No.	Description	*SER* 41701 Set
SER **202**	Battery Terminal Puller	•
SER **206**	Battery Brush	•
SER **204**	Battery Terminal Spreader/Cleaner	•
SER **203**	Battery Nut Puller	•
SER **6571**	5/16" x 10mm Extra Long Wrench	•

⚠ WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BATTERY TESTER

- Easy to read for maximum accuracy
- Long draw tube to reach battery plates low on fluid
- Convenient pocket clip cover tube prevents acid spillage and breakage

BK **700-1140**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BATTERY TESTER

- Small, glass beads prevent float from sticking to jar, assuring proper flotation level
- Shows battery condition
- Bulb and tip made of acid-resistant rubber
- Easy-to-read 3-color float
- Float levels indicate good, fair or recharge
- Will test 6-12-24 volt batteries

BK **700-1145**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BATTERY TESTER

- Compact, pocket size, temperature compensated
- Gives instant, accurate readings for all batteries, hot or cold
- Heavy-duty plastic case
- No floats, jars or glass to break
- Tests all batteries on cars, trucks, marine and farm implements

BK **700-1141**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

DISC-TYPE BATTERY TESTER

- Full-size specific gravity tester is accurate and easy to use in all temperatures
- Specific gravity levels are printed on the tough, see-through plastic body.
- One-piece rubber bulb, neoprene tip
- Accurate down to -40°F.

BK **700-1785**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BATTERY FILLER

- Rubber bulb-type
- Straight, 5 1/2" tip
- 6 oz. Capacity

BK **700-1155**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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MAHLE

R134A REFRIGERANT HANDLING SYSTEMS

- Innovative, ergonomic hinged service door simplifies unit service
- 7" capacitive touch screen and intuitive user interface
- Bright LED indicator light
- Wireless software update capability
- Automatic weighing of recovered oil
- Data management and reporting for refrigerant use optimization and warranty reporting
- Connectivity for remote tech support

ACX2150

- Integrated automatic oil and UV dye injection for AC leak detection
- Optional iOS and Android phone app for remote service session mirroring and advanced functionality

RTI **4608044500**

ACX2180

- EcoLOCK® R134A Couplers
- 3 transducers reduces process time
- Included iOS and Android phone app for remote service session mirroring and advanced functionality
- Integrated automatic oil and UV dye injection for AC leak detection
- Network printing capability

Item No.	Description
RTI **4608044800**	Arctic Pro® ACX2180H
RTI **4608044700**	Arctic Pro® ACX2180

RTI **4608044800**

R1234YF REFRIGERANT HANDLING SYSTEMS

- Innovative, ergonomic hinged service door simplifies unit service
- 7" capacitive touch screen and intuitive user interface
- Bright LED indicator light
- Wireless software update capability
- Automatic weighing of recovered oil
- Data management and reporting for refrigerant use optimization and warranty reporting
- Connectivity for remote tech support

MAHLE

ACX2250,

- Network printing capability
- Non-integrated refrigerant identifier
- Optional iOS and Android phone app for remote service session mirroring and advanced functionality

RTI **4608044600**

MAHLE

ACX2280

- Network printing capability
- Integrated refrigerant identifier
- EcoLOCK® R1234YF Couplers
- Included iOS and Android phone app for remote service session mirroring and advanced functionality

RTI **4608044900**

HIGH-CAPACITY COMBO FILTER

Replacement High-Capacity Combo Filter. Fits ACX2180, ACX2180H, ACX2280 air conditioning service units.

RTI **3608325400**

FILTER KIT

Preventative Maintenance Kit.

- Fits RHS980
- Fits AXC1180
- Extends life of the unit

RTI **3608217500**

NEXT GEN ACX DUST COVER

Protect your investment when not being used. Fits ACX2XXX series.

RTI **0268078500**

ROBINAIR

COMBINING SIMPLE OPERATION WITH SUPERIOR ACCURACY
These machines will test, recover and recharge R-134a and R-1234yf automotive A/C system quickly and accurately.

	R-134A SYSTEMS					R-1234YF SYSTEMS	
Features	*ROB* **34288NI**	*ROB* **34788NI**	*ROB* **34788NI-H**	*ROB* **34988NI**	*ROB* **34998**	*ROB* **AC1234-4**	*ROB* **AC1234-9**
Fully Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.	Manual Valves	X	X	X	X	X	X
Automatic fluid drain/inject	Oil drain	Oil drain/ inject*	Oil drain	Oil drain/inject, dye inject**	Oil drain/inject, dye inject**	Oil drain	Oil drain
A/C System Flush: Flushes a vehicle's A/C system with refrigerant, eliminating any residual oil or other liquid. (Flushing adapters not included)	—	X	X	X	X	X	X
Save & print before and after service data: Allows the user to store before and after service information by vehicle and print this information to provide to a customer.	—	X	X	X	X	X	X
Visual & Audible Alarm: Notifies the user when service is complete, or if a problem has occurred.	—	X	X	X	X	X	X
Vacuum Leak Test: Monitors level after evacuation, informs of possible leak.	—	X	X	X	X	X	X
Automatic Air Purge: Eliminates system-damaging air without monitoring gauges or opening valves.	X	X	X	X	X	X	X
Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank.	—	X	X	X	X	X	X
Vacuum Feature: Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	X	X	X	X	X	X	X
Multilingual display	4.3" color LCD	4.3" color LCD	4.3" color LCD	7" color LCD	10.5" hi-res touch screen	4.3" color LCD	10.5" hi-res touch screen
Refrigerant Charging:	Low only	High, low or both	High, low or both	High, low or both	High, low or both	High, low or both	High, low or both
Refrigerant Management System: Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	X	X	X	X	X	X	X
Electric Vehicle: Capable of servicing high voltage electric compressor A/C systems.	—	—	X	—	—	X	X
Printer (Optional)	(30038)	(30038)	(30038)	Included	Mopria Print Service Wireless Printing	(30038)	Mopria Print Service Wireless Printing
Bluetooth temp probes: Dual-zone temp recording and reporting	78-3989	78-3989	78-3989	78-3989	78-3986 or 78-3987	78-3989	78-3986 or 78-3987
Bluetooth VCI: Reads YMME and refrigerant capacity	78-3988	78-3988	78-3988	78-3988	78-3985***	78-3988	78-3985***

* One oil bottle. ** Two oil bottles and one UV dye bottle. ***78-3985 requires purchase of 34001 or 34002 database to read YMME and display refrigerant capacity

⚠ **WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov**

A/C Units & Accessories

ROBINAIR

MULTI-REFRIGERANT RRR MACHINE

- Ideal for mass transit vehicles, buses, refrigerated trailers or containers and other applications that use refrigerants other than R-134a and not typically found in mobile vehicle applications.
- Automatically controls machine functions, leading the user through operations.
- Compatible with R12, R22, R134A, R401A, R401B, R402A, R402B, R404A, R407A, R407B, R407C, R410A, R500, R502, and R507 refrigerants
- *Cannot be used on refrigerant systems found in Class I – III light-duty passenger vehicles. Not for automotive passenger vehicle systems.

ROB **17800C**

⚠ **WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov**

ROBINAIR

HEAVY-DUTY RECOVER, RECYCLE, RECHARGE MACHINE

- Recovers, recycles, evacuates, leak-tests and recharges R-134a with 98.5% efficiency in both small and large mobile air conditioning systems.
- Large capacity, removable 50-lb tank and a liquid pump to tackle larger A/C systems typically found in buses.
- Equipped with a nitrogen port to dry and leak test A/C system.
- Fully automatic and capable of recovering, evacuating, leak testing, charging and oil drain/inject

ROB **34888HD**

⚠ **WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov**

ROBINAIR

MAINTENANCE KITS

- Keep recovery and recycling units operating at peak efficiency with a convenient maintenance kit.
- Contains one quick change filter-drier to be used on both R-12 and R-134a stations, and one 16 ounce bottle of our Premium High Vacuum Pump Oil.
- Recommended for *ROB* **34998** (NI), *ROB* **34788** (NI), *ROB* **34288** (NI) *ROB* **34700Z**, *ROB* **34134Z**, *ROB* **34288** (NI), *ROB* **34998**, *ROB* **AC1234-4**, *ROB* **AC1234-6** & *ROB* **AC1234-9**

Item No.	Description
ROB **34724**	Spin-on recycling filter-drier.
ROB **13172**	Spin-on recycling filter-drier. Includes premium high vacuum pump oil.

cps

ADVANCED R1234YF REFRIGERANT MANAGEMENT CENTER

Advanced R1234yF Refrigerant Management Center – SAE J2843. Quickly and efficiently recover, recycle and recharge automotive A/C systems.

- Thermal printer
- Fully automatic
- Hybrid compatible
- Refrigerant identifier
- 6 CFM vacuum pump

BKN **CPCFX1234**

cps

ADVANCED DUAL GAS REFRIGERANT MANAGEMENT CENTER

Advanced Dual Gas Refrigerant Management Center – SAE J3030. First to market, dual refrigerant management center for both R-134a and R-1234yF refrigerants

- Fully automatic
- Thermal printer
- Hybrid compatible
- Refrigerant Identifier
- 6 CFM Vacuum Pump
- Converts in 10 minutes
- Dual Refrigerant Convertible

BKN **CPCFX3030**

cps

ADVANCED R1234YF VALUE REFRIGERANT MANAGEMENT CENTER

Advanced R1234yF Value Refrigerant Management Center – SAE J2843-Optional Printer, 481500YF, Heater Blanket. Without Tank Cover. Quickly and efficiently recover, recycle and recharge automotive A/C systems

- Fully automatic
- Hybrid compatible
- Refrigerant identifier
- 6 CFM Vacuum pump
- Thermal printer optional

BKN **CPCFX1234V**

cps

FX SERIES AIR CONDITIONING MACHINE DUST COVER

FX Series dust cover allows you to protect your FX Air Conditioning unit when not in use.

- Easy to use
- Durable and water repellent
- Protects from dust, dirt and scratches
- Fitted with a Velcro® slit for easy removal

BKN **CPCFXXC**

Mastercool

MASTERCOOL® PORTABLE R-134A SEMI-AUTOMATIC RECOVERY, RECYCLE AND RECHARGE MACHINE

- Design certified for compliance with SAE J2788
- Large, analog gauges
- Multiple languages
- New cabinet design for increased airflow
- No need to read any external instructions or manuals, simply sit back, watch and learn how to use your machines
- Hose coupler storage
- Solid, durable wheels with locking casters
- On-board unit conversion calculator
- New Arctic Commander line of RRR machines. Equipped with the latest technology, it comes with a standard 8" color command center with touch screen. The GUI will enable navigation through all functions and features with the greatest of ease
- Auto oil discharge, auto and manual air purge, auto filter and full tank alarm
- All machines are equipped with Wi-Fi capabilities allowing for realtime, interactive communication, and troubleshooting

Specifications

Operating Voltage: .....115 Volt AC / 60 Hz
Rate: .....3 CFM
Refrigerant Type: R134a

NTE **COMM1000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

MASTERCOOL® PORTABLE R-134A FULLY-AUTOMATIC RECOVERY, RECYCLE AND RECHARGE MACHINE

- Design certified for compliance with SAE J2788
- Large, analog gauges
- Multiple languages
- New cabinet design for increased airflow
- No need to read any external instructions or manuals, simply sit back, watch and learn how to use your machines
- Hose coupler storage
- Solid, durable wheels with locking casters
- On-board unit conversion calculator
- New Arctic Commander line of RRR machines. Equipped with the latest technology, it comes with a standard 8" color command center with touch screen. The GUI will enable navigation through all functions and features with the greatest of ease
- Auto oil discharge, auto and manual air purge, auto filter and full tank alarm
- All machines are equipped with Wi-Fi capabilities allowing for realtime, interactive communication, and troubleshooting

Specifications

Operating Voltage: .....115 Volt AC / 60 Hz
Rate: .....6 CFM (30 min avg Recovery)
Refrigerant Type: R134a

NTE **COMM2000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C RECOVERY MACHINE

Mastercool

Recovers and removes moisture, oil and debris from refrigerant. New Recovery System offers a state of the art 1/2 HP oil-less compressor with a built-in high-volume cooling fan for fast recovery. Color-coded sight gauge identifies when filter dryer replacement is needed. A/C Recovery System includes recovery unit with built-in oil separator and filter dryer, 30 lb. DOT tank and cable, 72" yellow and blue hoses and oil purge bottle.

NTE **78-3873**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

MASTERCOOL® PORTABLE R-134A HYBRID RECOVERY, RECYCLE AND RECHARGE MACHINE

- Design certified for compliance with SAE J2788
- Large, analog gauges
- Multiple languages
- Includes thermal printing
- New cabinet design for increased airflow
- No need to read any external instructions or manuals, simply sit back, watch and learn how to use your machines
- Hose coupler storage
- Solid, durable wheels with locking casters
- On-board unit conversion calculator
- New Arctic Commander line of RRR machines. Equipped with the latest technology, it comes with a standard 8" color command center with touch screen. The GUI will enable navigation through all functions and features with the greatest of ease
- Auto oil discharge, auto and manual air purge, auto filter and full tank alarm
- All machines are equipped with Wi-Fi capabilities allowing for realtime, interactive communication, and troubleshooting

Specifications

Operating Voltage: .....115 Volt AC / 60 Hz
Rate: .....6 CFM (30 min avg Recovery)
Refrigerant Type: ..... R134a & Hybrid

NTE **COMM3000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

MASTERCOOL® PORTABLE R- 1234YF HYBRID RECOVERY, RECYCLE AND RECHARGE MACHINE

- Design certified for compliance with SAE J2843
- Large, analog gauges
- Multiple languages
- Includes thermal printing
- New cabinet design for increased airflow
- No need to read any external instructions or manuals, simply sit back, watch and learn how to use your machines
- Hose coupler storage
- Solid, durable wheels with locking casters
- On-board unit conversion calculator
- New Arctic Commander line of RRR machines. Equipped with the latest technology, it comes with a standard 8" color command center with touch screen. The GUI will enable navigation through all functions and features with the greatest of ease
- Auto oil discharge, auto and manual air purge, auto filter and full tank alarm
- All machines are equipped with Wi-Fi capabilities allowing for realtime, interactive communication, and troubleshooting

Specifications

Operating Voltage: .....115 Volt AC / 60 Hz
Rate: .....6 CFM (30 min avg Recovery)
Refrigerant Type: R1234YF

NTE **COMM4000**

NTE **COMM4000X** Without Identifier

⚠ **WARNING: (*NTE* COMM4000) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INLINE STRAINER FITTING

OTC

For use inline between tank fill hose and virgin refrigerant tank to help prevent tank debris from getting inside the A/C RRR machine. Simply screw filter fitting onto tank and connect the tank fill hose to end of fitting. Instructions included.

NTE **78-9100**

A/C Units & Accessories

Mastercool

MASTERCOOL RECOVERY MACHINE

Mastercool introduces the newest addition to the refrigerant recovery machine lineup, the twin turbo complete recovery machine for R1234yf vehicles. This machine incorporates a revolutionary dual piston design and increased cooling by the largest fan and condenser in the market making it the most complete solution for your R1234yf recovery needs.

- Safety high pressure switch
- Largest volume recovery rate in market
- Simple internal structure for field service
- Revolutionary double piston oil-less compressor
- Injection molded high density polyethylene case for maximum durability
- Front cover has bumper guards built in to reduce damage to the control knobs
- Recovery rate: Direct vapor up to .526 lb/min, direct liquid up to 4.75 lb/min, push pull up to 11.68 lb/min

NTE **78-1120**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

MASTERCOOL COMPLETE RECOVERY MACHINE

Mastercool's heavy duty recovery machine with 50 lb. DOT tank for buses and fleet applications features a double piston compressor and cooling by the largest fan and condenser in the market making it the most complete solution to your recovery needs.

- Safety high pressure switch
- Largest volume recovery rate in market
- Simple internal structure for field service
- For use with all refrigerants including R410A
- Revolutionary double piston oil-less compressor
- Injection molded high density polyethylene case for maximum durability
- Front cover has bumper guards built in to reduce damage to the control knobs
- R134a: Direct vapor up to .537 lb/min, direct liquid up to 4.72 lb/min, push pull up to 11.68 lb/min
- R22: Direct vapor up to .63 lb/min, direct liquid up to 7.56 lb/min, push pull up to 18.3 lb/min
- R410A: Direct vapor up to .70 lb/min, direct liquid up to 7.7 lb/min, push pull up to 20.2 lb/min

NTE **78-1121**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C RECYCLING MACHINE DRYER REPLACEMENT FILTER PACKS

NTE **78-3077**

Item No.	Description
NTE **78-3077**	For Commander 4000, 4000X and all 220V models Includes: Dryer and flash drive
NTE **78-3078**	For Commander 1000, 2000 and 3000 models Includes: DML162 Danfoss dryer, dryer and flash drive

Mastercool

MASTERCOOL® A/C RECOVERY MACHINE FILTERS

2 Pack of filters for *NTE* **69788-A**, *NTE* **69789** and *NTE* **68789-H**.

NTE **78-3938**

RECYCLE GUARD™ A/C SEALANT FILTER

NTE **78-7301**

Ultimate protection for expensive equipment against sealant contamination.

- Removes sealant, dye, lubricant, and other contaminants from refrigerant prior to entering the recovery unit
- User replaceable Filter Kit
- Use with recover, recycle, and recharge units that have external or internal manifold pressure gauges
- Easy hookup between vehicle and A/C service equipment
- Works with refrigerant in either a gas or liquid state

Kit Includes

- A/C system sealant remover
- 1/2" ACME fittings for R-134a service hoses
- Extra 36" A/C service hose with 1/2" ACME-F fittings
- Universal hanger

Item No.	Description
NTE **78-7301**	NAPA Cold Power® Recycle Guard™ A/C Sealant Filter

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

ROBINAIR

DATABASE UPDATE SD – 2019-97 VEHICLES

Confirm A/C system charge capacities directly fpr your Robinair A/C RRR machine for R-134a systems. Includes charge amounts and component oil capacities for vehicle model years 2019-97 using R-134a refrigerant.

- Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification.
- Compatible with the newest R-134a machines from Robinair
- Covers most makes and models between 2019-97 using R-134a refrigerant
- Use with *ROB* **34288NI**, *ROB* **34788NI**, *ROB* **34788NI-H**, *ROB* **34998NI**

NTE **78-3980**

VEHICLE A/C SYSTEM CHARGE CAPACITIES – 2019-97 VEHICLES

Confirm A/C system charge capacities directly for your Robinair A/C RRR machine for R-134a systems. Includes charge amounts and component oil capacities for vehicle model years 2019-97 using R-134a refrigerant.

- Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification.
- Compatible with the Robinair model 34998 R-134a connected unit only
- Covers most makes and models between 2019-97 using R-134a refrigerant
- Use with *ROB* **34998**

NTE **78-3981**

DATABASE UPDATE SD – 2019-13 VEHICLES

Confirm A/C system charge capacities directly from your Robinair A/C RRR machine for R-1234yf systems. Includes charge amounts and component oil capacities for vehicle model years 2019-13 using R-1234yf refrigerant.

- Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification.
- Compatible with the Robinair AC1234-4 AC and AC1234-4-230 recovery machines only.
- Covers most makes and models 2019-13 using R-1234yf refrigerant
- Use with *ROB* **AC1234-4**

NTE **78-3982**

DATABASE UPDATE SD – 2019-13 VEHICLES

- Confirm A/C system charge capacities directly from your Robinair AC1234-6 A/C RRR machine for R-1234yf systems. Includes charge amounts and component oil capacities for vehicle model years 2019-13 using R-1234yf refrigerant.
- Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification.
- This two-card set updates the AC1234-6 software to allow the use of the refrigerant database card. To gain access to the refrigerant database, users must first install the included software update card.
- Covers most makes and models 2019-13 using R-1234yf refrigerant
- Use with *ROB* **AC1234-6**

NTE **78-3983**

VEHICLE A/C SYSTEM CHARGE CAPACITIES – 2019-13 VEHICLES

- Confirm A/C system charge capacities directly from your Robinair AC1234-9 A/C RRR machine for R-1234yf systems. Includes charge amounts and component oil capacities for vehicle model years 2019-13 using R-1234yf refrigerant.
- Database helps ensure the vehicle system is charged correctly with the correct amount of oil, per factory and OEM specification.
- Compatible with the Robinair AC1234-9 R-1234yf Connected A/C recovery machine only.
- Covers most makes and models 2019-13 using R-1234yf refrigerant

NTE **78-3984**

WIRELESS OBD II VCI DONGLE

Wirelessly gathers and transmits vehicle year, make and model information to your Robinair A/C machine. The data is used to find the correct refrigerant charge amount, oil type and oil amount so systems are serviced properly. The dongle also reads generic OBDII fault codes to assist in diagnosing issues within the vehicle's A/C system.

- Wirelessly gather vehicle year, make and model information from vehicle being serviced
- Automatically include vehicle charge amount from vehicle capacities database as well as oil type and oil capacity for various A/C system components (A/C capacities database available separately)
- Use with *ROB* **34998** or *ROB* **AC1234-9**

NTE **78-3985**

WIRELESS OBD II VCI DONGLE

Wirelessly gathers and transmits vehicle year, make and model information to your Robinair A/C machine. The data is used to find the correct refrigerant charge amount, oil type and oil amount so systems are serviced properly. The dongle also reads generic OBDII fault codes to assist in diagnosing issues within the vehicle's A/C system.

- Wirelessly gather vehicle year, make and model information from vehicle being serviced
- Automatically include vehicle charge amount from vehicle capacities database as well as oil type and oil capacity for various A/C system components (A/C capacities database available separately)
- Use with *ROB* **34998** or *ROB* **AC1234-9**

NTE **78-3988**

TEMPERATURE PROBE

The Temperature Probe can be used to compare internal cabin vent temperatures across multiple vents or from vents and outside temperature. Before and after temperatures can be included in service reports to verify and confirm service for customers or insurance companies.

- Wirelessly reads internal cabin vent temp in multiple locations
- Add before and after vent temperature to an ACS machine vehicle report to help explain service performed
- Use with *ROB* **34998** or *ROB* **AC1234-9**
- Also works with *ROB* **34288NI**, *ROB* **34788NI**, *ROB* **34788NI-H**, *ROB* **34988NI** and *ROB* **AC1234-4** ACS if the machine has the Wi-Fi/Bluetooth dongle already installed (software update may also be required

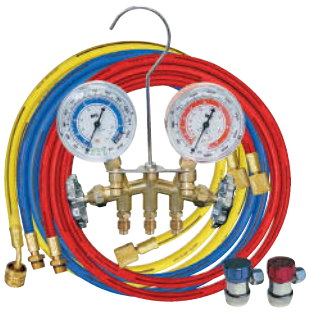
NTE **78-3987** 1-Probe Bluetooth
NTE **78-3986** 2-Probe Bluetooth Kit
NTE **78-3989** 2-Probe WIFI Kit

A/C Manifold Gauges

Mastercool "World Class Quality"

MADE IN THE USA

NTE **78-3416**



NTE **78-3420**

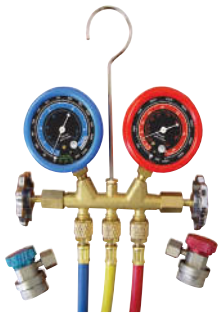
MASTERCOOL® A/C MANIFOLD GAUGE SETS

Mastercool® is the leading manufacturer of professional quality AC manifold gauge sets. Our Mastercool® sets are constructed of the finest materials and machined with precision to the highest standards. At Mastercool®, every manifold is built to last.

- Anti-flutter gauges for faster, more precise readings
- Highest grade aluminum and brass manifolds
- Nylon Barrier Hoses
- Premium manual and swivel couplers (select models)

NAPA COLD POWER

NTE **78-1400**



NTE **78-1409**

NAPA® COLD POWER™ A/C MANIFOLD GAUGE SETS

NAPA® Cold Power™ AC manifold sets are constructed of the finest materials and are built for the professional.

- Anti-flutter gauges for faster, more precise readings
- Solid aluminum and forged brass bar for added durability
- Heavy duty rubber gauge protectors
- Sight glass feature (select models) - see flow of refrigerant
- R-134a, R-12, dual gas options

A/C MANIFOLD GAUGE SET SELECTOR

R-134A

Item No.	*NTE* 378-3418	*NTE* 78-3416	*NTE* 78-3417	*NTE* 78-1400	*NTE* 78-3420	*NTE* 78-1409	*NTE* 78-1410
Grade	Best	Best	Better	Better	Better	Good	Good
Aluminum/Brass Manifold	Alum	Alum	Alum	Alum	Brass	Brass	Brass
2-way/4-way	4	2	2	2	2	2	2
Sight-glass	•	•	•	•	—	—	—
Additional Port(s)	•	•	•	•	—	—	—
72" Hoses	•	•	—	•	•	—	•
60" Hoses	—	—	•	—	—	•	—
Nylon Hoses	•	•	•	—	—	—	—
Auto Shut-Off Charging Hose (yellow)	•	•	•	•	•	•	•
Patented Spring-Loaded Manual Quick Couplers	•	—	—	—	—	—	—
Quick Connect Style Couplers	—	—	•	•	•	•	•
EZ Snap™ Manual Couplers	•	—	—	—	—	—	—
Anti-Flutter Gauges	•	•	•	•	•	•	•
Heavy Duty Gauge Protectors	—	—	—	•	—	•	•
Custom-Molded Storage Case	•	—	•	—	—	—	—

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DUAL R-12/R-134A

Item No.	*NTE* 78-1550	*NTE* 78-1551
Grade	Best	Better
Aluminum/Brass	Alum	Brass
2-way/4-way	2	2
Sight-glass	•	—
Additional Port(s)	•	—
72" Hoses	•	•
60" Hoses	—	—
Nylon Hoses	—	—
Premium Quarter Turn Manual Couplers	—	—
Quick Connect Style Couplers	•	•
Anti Flutter Gauges	•	•
Heavy Duty Gauge Protectors	•	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

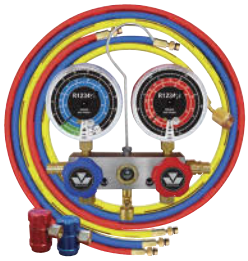
R-12

Item No.	*NTE* 78-1500	*NTE* 78-1501
Grade	Best	Better
Aluminum/Brass	Alum	Brass
2-way/4-way	2	2
Sight-glass	•	—
Additional Port(s)	•	—
72" Hoses	•	•
60" Hoses	—	—
Nylon Hoses	—	—
Quick Connect Style Couplers	—	—
Anti Flutter Gauges	•	•
Heavy Duty Gauge Protectors	•	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool "World Class Quality"

R1234YF A/C MANIFOLD GAUGE SET

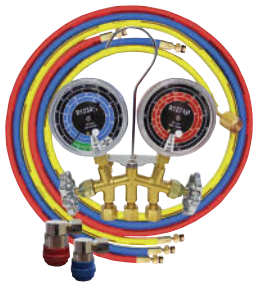


- Adjustable gauges
- Piston valve design
- Sight glass design
- SAE 2888
- Flutter free gauges
- Aluminum block, sight glass, anti-flutter gauges
- Heavy duty 1234yf manual couplers
- Set of (3) 1234yf hoses

NTE **78-1234**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R-1234YF BRASS MANIFOLD WITH 60 IN. HOSES & QUICK COUPLERS



- Bar/PSI units of measure
- Yellow hose 12mm fitting on one side and 1/2 x 16 acme LH on the other meets SAE J2888
- Red & blue nylon barrier hoses with 12mm-M fittings on both sides meets SAE J2888, EPA, SAE & UL standards
- Easy to recalibrate 3 1/8 in. gauges to ensure accuracy
- R-1234yf high and low side couplers with extended disconnect protection sleeve meets SAE J639 & J2888
- 1/4 FL-F x 1/2 ACME LH vacuum pump adapter
- Manifold assembled with (3) 12mm-F fittings per SAE J2888

NTE **78-3070**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R-1234YF CAN TAP VALVES

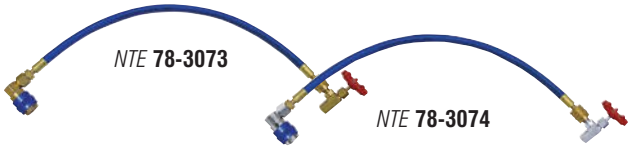
- 1/2 in. ACME-LH thread
- Gasket assures leak proof operation with built-in safety check
- Exclusive full grip valve knob all metal construction provides durability
- Meets SAE J2844

NTE **78-3071**

NTE **78-3072**

Item No.	Description
NTE **78-3071**	Piercing Style Can
NTE **78-3072**	Depressor Style Can

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



NTE **78-3073**

NTE **78-3074**

R-1234YF TAP VALVE CHARGE KITS

- Low side quick coupler 12 mm-F x 14mm
- 1/2 in. ACME-LH thread
- 18 in. blue hose
- Meets SAE J2844 & J2888

Item No.	Description
NTE **78-3073**	Piercing Style Can
NTE **78-3074**	Depressor Style Can

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

R-1234YF LOW SIDE AND HIGH SIDE QUICK COUPLERS

- 12mm-F x 14 mm - economy version

NTE **78-3075**

NTE **78-3076**

Item No.	Description
NTE **78-3075**	Low Side
NTE **78-3076**	High Side

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C CHARGING HOSE FOR R1234YF

- Nylon barrier
- 72 Inches long
- 12mm Fitting type
- 1/2" Thread Size
- 3/8" Hose I.D., 1/2" Hose O.D
- Rubber
- Nylon inner tube material
- 4,000 PSI minimum curst pressure
- SAE 2888 rating
- 800 PSI working pressure

NTE **78-1237**

NTE **78-1238**

NTE **78-1239**

Item No.	Color
NTE **78-1237**	Blue
NTE **78-1238**	Yellow
NTE **78-1239**	Red

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MANUAL COUPLERS FOR R1234YF

- SAE J2888 specifications
- Patented spring load depressor
- O-ring leak protected
- Heavy duty manual coupler
- A/C Service Valve Connection Thread Size: 12 mm
- A/C Service Valve Connection Type: Manual
- A/C Service Valve Thread Size: 12 mm

NTE **78-1235**

NTE **78-1236**

Item No.	Description
NTE **78-1235**	Manual High Side Coupler for R1234YF
NTE **78-1236**	Manual Low Side Coupler for R1234YF

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R1234YF REFILLABLE DYE/OIL INJECTOR

- Add oil/dye at anytime
- Multiple measurement increments
- Anodized aluminum heavy duty 1234yf oil/dye injector
- 12 mm low side coupler
- Add any oil or dye
- Oil/dye injector

NTE **78-1240**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C SERVICE STARTER KIT

Kit includes everything needed for basic A/C system repairs, and comes with a durable blow mold storage case.

- R-134a Manifold Gauge Set with premium manual couplers and 60" 3-piece hose set
- 1.3 CFM air-operated vacuum pump
- R-134a can tap with hose
- 1" Dial thermometer
- 270-piece A/C system o-ring assortment with storage tray

NTE **899-2486**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTOMOTIVE DIGITAL MANIFOLD INCLUDES REFRIGERANT & OIL CAPACITIES FOR OVER 1000 VEHICLE MAKES & MODELS

Mastercool® introduces the most advanced and user friendly R-134a Digital Manifold on the market today. This manifold offers a large easy to read LCD that displays temperature,and pressure readings for R-134a. The unit easily allows the technician to obtain refrigerant and oil capacity readings for 55 automobile manufacturers. This unit also performs a systems leak check at the conclusion of the evacuation process. To ensure lasting performance and durability, the manifold case is constructed of ABS material and protected by a rugged rubber boot. The technician now has a fully functional manifold with the intelligence to quickly access and deliver the accurate information needed to do the job right.

Manufacturers include:

Acura, Alfa Romeo, Audi, BMW, Buick, Cadillac, Chevrolet, Chrysler, Citroen, Daewoo, Daihatsu, Dodge, Fiat, Ford, GMC, Honda, Hummer, Hyundai, Infiniti, Isuzu, Jaguar, Jeep, Kia, Lancia, Land Rover, Lexus, Lincoln, Mazda, Mercury, Mini, Mitsubishi, Mercedes Benz, Nissan, Oldsmobile, Opel-Vauxhall, Peugeot, Plymouth, Pontiac, Porsche, Renault, Rover, Saab, Saturn, Scion, Seat, Smart, Subaru, Suzuki, Toyota, Volkswagen, Volvo.

Specifications

Refrigerant: R-134A
Pressure & Vacuum Display: ...Low Side - PSI, Bar, MPa, kg/cm2 & InHg
.....High Side - PSI, Bar, MPa, kg/cm2
Temperature Display:..... -40° to 200°F (-40° to 93°C)
Response Time:..... 250 mSec.
Connection: ..... 1/2" acme or 1/4" flare
Operating Temperature ..... 32° to 122° (0° to 45°C)
Power ..... 9V DC battery
Battery Life ..... 50-60 hours of continuous use
Low Battery Indicator ..... Special ICON on LCD

NTE **78-3419**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R-134A/R-1234YF DIGITAL MANIFOLD

This manifold offers a large easy to read LCD that displays temperature, pressure and vacuum readings for R-134a and R-1234yf. The unit easily allows the technician to obtain refrigerant and oil capacity readings for automobile manufacturers. This unit also performs systems leak check at the conclusion of the evacuation process. To insure lasting performance and durability the manifold case is constructed of ABS material and protected by a rugged rubber boot.

Specifications

Pressure & Vacuum Display: .....Low Side – PSI, Bar, MPa,
..... Kg/cm2 & IN-Hg High Side – PSI, Bar, MPa, Kg/cm2
Temperature Display:..... 40 to 200° F (-4 to 93° C)
Response Time:.....250 mSec
Connection: .....1/2 acme or 1/4 flare
Operating Temperature: .....32 to 122° F (0 to 45° C)
Power: ..... 9V DC battery
Battery Life: .....350 hours continuous use
Low Battery Indicator: ..... Special ICON on LCD

Contents: R-134a/R-1234yf Digital Manifold, (3) 72 inch R-134a Hoses, set of R-134a Couplers, Set of R-1234yf Couplers, ½ ACME-M x 1/2 ACME-F LH Thread Adapter, (2) 12mm-M x 14mm-F R-1234yf Adapters

NTE **78-1119**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

R-134A ALUMINUM MANIFOLD GAUGE SET

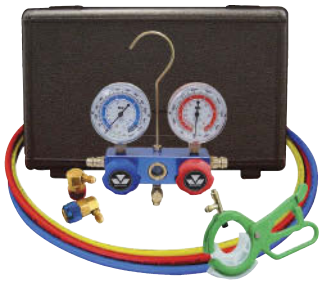
3 piece 72" service hose set, includes premium patented spring-loaded conversion couplers with swiveling connections for added flexibility and yellow hose auto shut-off. Couplers can be removed from service ports regardless of knob position without losing refrigerant. Sight glass for visual checks for refrigerant, easy-grip front-facing knobs and piston type free-floating valves for reduced o-ring wear. Extra access port for vacuum line. Nylon Barrier hoses meet EPA, SAE, and UL standards. Gauges include R-134a scales in PSI and °F measurements.

NTE **78-3415**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

AUTOMOTIVE R-134A MANIFOLD GAUGE SET



Professional extruded aluminum R-134a Manifold Gauge Set comes complete with 3 piece 60" Nylon Barrier service hose set and R-134a couplers. Silicone dampened gauges to smooth out needle movement and field-recalibrateable gauges. Convenient sight glass to monitor flow and condition of refrigerant passing through manifold. Set includes free 3-in-1 side mount can tap valve (**85530**). Also includes handy refrigerant capacities chart. Comes in custom molded carrying case.

NTE **78-3417**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

R-134A ALUMINUM MANIFOLD GAUGE SET

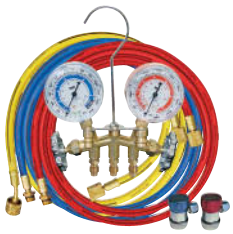
Solid aluminum block with 72" service hoses, color coded quick couplers. Yellow (charging) hose has auto shut-off. Features sight glass to confirm movement and condition of refrigerant passing through the manifold. Hoses rated at 600 working/3,000 burst PSI. Gauges feature anti-flutter design to smooth out needle movement and are field calibratable. Comes with heavy-duty gauge protectors and hanging hook.

NTE **78-1400**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

R-134A 2-WAY BRASS MANIFOLD GAUGE SET



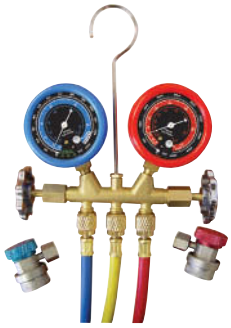
R-134a 2-Way Brass manifold gauge set features three 72" hoses. Hose connections for blue and red are 14mm-M. Yellow hose is 1/2" ACME-F with auto shut-off valves. Gauges are 2 1/2" in PSI/°F.

NTE **78-3420**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

R-134A BRASS MANIFOLD GAUGE SET



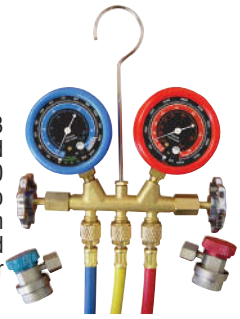
Solid forged brass bar for added durability. 3 piece 60" service hose set with color-coded quick couplers, Yellow hose auto shut-off and hanging hook included. Gauges feature anti-flutter design to smooth out needle movement and are field calibratable.

NTE **78-1409**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

R-134A BRASS MANIFOLD GAUGE SET



Solid forged brass bar for added durability. 3 piece 72" service hose set with color-coded quick couplers rated at 600 working/3,000 burst PSI. Yellow (charging) hose has auto shut-off. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable. Heavy-duty gauge protectors for added durability, hanging hook included.

NTE **78-1410**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R-134A/R12 A/C MANIFOLD GAUGE SET

Deluxe dual aluminum A/C manifold gauge set. Includes 2 1/2" high / low gauges, high / low couplers, gauge guards, blue / red / yellow hoses, 1/2" acme x 1/4" mfl adapter and hanging hook. Dual stage saddle adapter included. *NTE* **78-3199** R-134/R-12 Adapter. Extra long hoses (96") built to service farm, agriculture, and industrial vehicles.

- Premium manual couplers
- Anti-flutter gauges

NTE **78-3876**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

DUAL R-12/R-134A ALUMINUM MANIFOLD GAUGE SET

Solid aluminum block with 3 piece 72" service hose set, color coded quick couplers. Features sight glass to confirm movement and condition of refrigerant passing through the manifold. Hoses rated at 600 working/ 3,000 burst PSI. Gauges feature anti-flutter design to smooth out needle movement and are field calibratable. Comes with heavy-duty gauge protectors and hanging hook.

NTE **78-1550**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

DUAL R-12/R-134A BRASS MANIFOLD GAUGE SET

Solid forged brass bar for added durability. 3 piece 72" standard service hose set rated 500 working/2,500 burst PSI. Gauges feature anti-flutter design to smooth out needle movement, field calibratable. Heavy-duty gauge protectors for added durability, hanging hook included.

NTE **78-1551**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C Manifold Gauges

COLD POWER

R-12 ALUMINUM MANIFOLD GAUGE SET

Solid aluminum block with 3 piece 72" standard service hose set. Features sight glass to confirm movement and condition of refrigerant passing through the manifold. Hoses rated at 500 working/2,500 burst PSI. Gauges feature anti-flutter design to smooth out needle movement and are field calibratable. Comes with heavy-duty gauge protectors, hanging hook, and handy pressure/temp quick reference chart.

NTE **78-1500**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

R-12 BRASS MANIFOLD GAUGE SET

Solid forged brass bar for added durability. 72" standard service hoses rated 500 working/ 2,500 burst PSI. Gauges feature anti-flutter design to smooth out needle movement and are field calibratable. Heavy-duty gauge protectors for added durability, hanging hook included.

NTE **78-1501**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

id GUEST

NAPA® R-134A MANIFOLD GAUGE & HOSE KIT

Lowest cost manifold gauge and hose set. Attracts do-it-yourself customers, and prevents them from charging on high-side. Also prevents need for additional adapter for charging with 12 oz. R-134a. Includes: 24" blue low-side hose, 24" red high-side hose, 24" yellow charging hose, high- and low-side connectors, R-134a can tap, and complete troubleshooting instructions.

BK **765-6009**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

id GUEST

R-134A QUICKCHECK PRESSURE INDICATOR

Check low-side pressure at a glance and easily determine if system is in need of service with this innovative dial pressure indicator. Simply twist gauge face until arrow points at outside temperature, then check or charge that area. Attaches to low-pressure service port with patented thermoplastic, angled quick-couple fitting for tight spots around low pressure service port.

BK **765-4102**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

COLD POWER

NTE **78-1456**

NTE **78-1457**

R-134A REPLACEMENT GAUGES

Features anti-flutter design and field calibratable. Temperature readings in PSI/°F.

Item No.	Description
NTE **78-1456**	Universal Low Side Replacement
NTE **78-1457**	Universal High Side Replacement

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool World Class Quality

NTE **78-3438**

NTE **78-3439**

REPLACEMENT GAUGES

2½" Anti-flutter design to smooth out needle movement and are easily field calibratable. PSI pressure readings, R-12 and R-134a temperature readings in PSI/°F.

Item No.	Description
NTE **78-3438**	Low Side Replacement for Mastercool® Manifolds
NTE **78-3439**	High Side Replacement for Mastercool® Manifolds

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool World Class Quality COLD POWER

NTE **78-1460**

NTE **78-3437**

2-1/2 IN. REPLACEMENT GAUGE PROTECTORS & LENS

Item No.	Description
NTE **78-1460**	Rubber boot fits any 2½" manifold gauge. Pair of 2; red, blue
NTE **78-3437**	Replacement lens for Mastercool® push-in type gauges

⚠ **WARNING: (*NTE* 78-1460) Reproductive Harm – www.P65Warnings.ca.gov.**

Mastercool "World Class Quality" | NAPA COLD POWER

Grade 5 hoses with a selection of standard and nylon barrier for high pressure applications. Knurled brass nuts make finger tightening easy. Crimped with 8 segment dies for secure fit and maximum durability. Hoses are available in sets and in a variety of lengths to meet all EPA, SAE, and UL requirements for containment of refrigerant. Auto shut-off valves automatically retain refrigerant in the service hose when they are removed from the system, meet EPA, SAE, and UL standards for containment of refrigerant. This also helps to prevent "finger burn" for added safety. These charging hoses are constructed to stand up to the most demanding shop environments with quality and features that are second to none.

NTE **78-3501**

R-134A INDIVIDUAL CHARGING HOSES

Item No.	Brand	Type	Length	Color	Fittings	Burst/Working Pressure	Auto Shut-Off
NTE **78-1417**	CP	R-134a	36"	Blue	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-1418**	CP	R-134a	36"	Yellow	1/2" ACME-F x 1/2" ACME-F	3,000/600	Yes
NTE **78-1419**	CP	R-134a	36"	Red	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-3403**	M	R-134a	36"	Blue	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-3404**	M	R-134a	36"	Yellow	1/2" ACME-F 14 mm-M	3,000/600	Yes
NTE **78-3405**	M	R-134a	36"	Red	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-1420**	CP	R-134a	72"	Blue	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-1421**	CP	R-134a	72"	Yellow	1/2" ACME-F x 1/2" ACME-F	3,000/600	Yes
NTE **78-1422**	CP	R-134a	72"	Red	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-3421**	M	R-134a	72"	Blue	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-3422**	M	R-134a	72"	Yellow	1/2" ACME-F 14 mm-M	3,000/600	Yes
NTE **78-3423**	M	R-134a	72"	Red	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-1423**	CP	R-134a	96"	Blue	1/2" ACME-F 14 mm-M	3,000/600	—
NTE **78-1424**	CP	R-134a	96"	Yellow	1/2" ACME-F x 1/2" ACME-F	3,000/600	Yes
NTE **78-1425**	CP	R-134a	96"	Red	1/2" ACME-F 14 mm-M	3,000/600	—

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NTE **78-1421**

NTE **78-1422**

Brands:
Mastercool (M)
Napa Cold Power (CP)

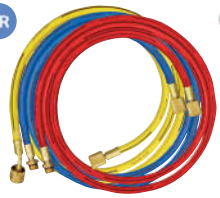
R-12 INDIVIDUAL CHARGING HOSES

Item No.	Brand	Type	Length	Color	Fittings	Burst/Working Pressure	Special Features	Auto Shut-Off
NTE **78-3540**	M	R-12	18"	Red	1/4" FFL	3,000/750	45° Bend	—
NTE **78-3500**	M	R-12	36"	Blue	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3501**	M	R-12	36"	Yellow	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3502**	M	R-12	36"	Red	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3503**	M	R-12	36"	Blue	1/4" FFL	3,000/750	45° Bend	Yes
NTE **78-3504**	M	R-12	36"	Yellow	1/4" FFL	3,000/750	45° Bend	Yes
NTE **78-3505**	M	R-12	36"	Red	1/4" FFL	3,000/750	45° Bend	Yes
NTE **78-3510**	M	R-12	60"	Blue	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3511**	M	R-12	60"	Yellow	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3512**	M	R-12	60"	Red	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3513**	M	R-12	60"	Blue	1/4" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3514**	M	R-12	60"	Yellow	1/4" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3515**	M	R-12	60"	Red	1/4" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3520**	M	R-12	72"	Blue	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3521**	M	R-12	72"	Yellow	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3522**	M	R-12	72"	Red	1/4" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3523**	M	R-12	72"	Blue	1/4" FFL	3,000/750	45° Bend	Yes
NTE **78-3524**	M	R-12	72"	Yellow	1/4" FFL	3,000/750	45° Bend	Yes
NTE **78-3525**	M	R-12	72"	Red	1/4" FFL	3,000/750	45° Bend	Yes
NTE **78-3530**	M	R-12	96"	Blue	1/4" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3531**	M	R-12	96"	Yellow	1/4" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3532**	M	R-12	96"	Red	1/4" FFL	4,000/800	45° Bend, Nylon Barrier	Yes

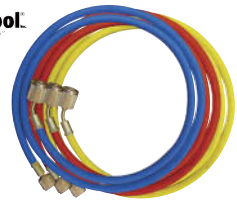
VCD= Valve Core Depressor.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

A/C Charging & Conversion Hoses



NTE **78-1430**



NTE **78-3526**

3 PC. CHARGING HOSE SETS

Item No.	Brand	Type	Length	Color	Fittings	Burst/Working Pressure	Auto Shut-Off
NTE **78-1430**	CP	R-134a	72"	Blue/Yellow/Red	1/2" ACME-F 14 mm-M x 1.5-M	3,000/600	Yes
NTE **78-1560**	CP	R-12	72"	Blue/Yellow/Red	1/4" FFL	3,000/600	Yes
NTE **78-3526**	M	R-12	72"	Blue/Yellow/Red	1/4" FFL	3,000/750	Yes
NTE **78-3533**	M	R-12	96"	Blue/Yellow/Red	1/4" FFL	3,000/750	Yes

Brands:
Mastercool (M)
Napa Cold Power (CP)

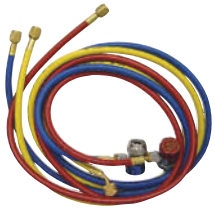
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C R-12/R-134A CONVERSION HOSES

Hoses convert from R-12 to R-134a and feature premium nylon barrier inner lining. Max. Pressure: 3,000 PSI. Working Pressure: 600 PSI. Fittings: 1/4" MFL x 14mm-M.

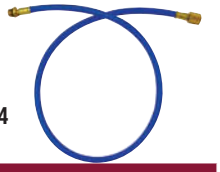
3 PC. R-12 TO R-134A A/C HOSE & COUPLER CONVERSION KIT

Includes red, yellow and blue nylon barrier hoses with R-134a manual quick couplers. Max. Pressure: 3,000 PSI. Working Pressure: 600 PSI. Hose Length is 60".



NTE **78-3451**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



NTE **78-3424**

R-12 CONVERSION HOSES

Item No.	Description
NTE **78-3424**	72" Blue Conversion Hose 1/4" FFL - 14MM-F
NTE **78-3425**	72" Yellow Conversion Hose 1/4" FFL - 14MM-F
NTE **78-3426**	72" Red Conversion Hose 1/4" FFL - 14MM-F

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C R-134A LOW-/HIGH-SIDE SERVICE PORT ADAPTER KIT

Includes four adapters for converting R-12 to R-134a. Covers all cars and all years. Retrofit label included.

BK **765-3144**

Contents

Qty.	Description
1	High-Side 3/8" Port
1	High-Side 7/16" Port
1	High-Side 2 Pc. GM Port
1	Low-Side 7/16" Port

GM HIGH-FLOW ADAPTER

Contains valve core and service port cap.

NTE **78-3115**

Patented manual couplers adjust easily to R-134a service ports with varying dimensions

- Patented spring loaded depressor will not damage service valves
- Meets SAE, UL, and EPA requirements for containment of refrigerant

R-134A PREMIUM MANUAL CONVERSION COUPLERS

Attaches your existing hoses and snaps easily to R-134A A/C service ports.

Item No.	Description
NTE **78-3431**	High-Side, Red, 90° - 1/4" MFL x 16mm Conversion Coupler
NTE **78-3432**	Low-Side, Blue, 90° - 1/4" MFL x 13mm Conversion Coupler
NTE **78-3435**	Replacement O-Ring for High Side Service Couplers. 1 Pack of 10.
NTE **78-3436**	Replacement O-Ring for Low Side Service Couplers. 1 Pack of 10.

⚠ **WARNING: (*NTE* 78-3431 & *NTE* 78-3432) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R-134A MANUAL CONVERSION COUPLERS

Item No.	Description
NTE **78-3433**	High Side, Red - 14mm-F x 16mm Conversion Coupler
NTE **78-3434**	Low Side, Blue - 14mm-F x 13mm Conversion Coupler

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

R-134A A/C SERVICE COUPLERS

Snap-lock couplers with knurled grip rings and 6-ball collars.

NTE **78-1533**

NTE **78-1434**

Item No.	Description
NTE **78-1433**	High-Side, 14mm x 16mm
NTE **78-1434**	Low-Side, 14mm x 13mm
NTE **78-1533**	High-Side, 1/4" SAE hose connection
NTE **78-1534**	Low-Side, 1/4" SAE hose connection

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C SERVICE ADAPTER

High side extra long coupler for BMW and Volvo.

NTE **78-3872**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

UNIVERSAL 90° ADAPTER FITTING

Universal 90° adapter fitting for cooling system pressure test adapters. Provides access for hard to reach places.

NTE **78-1111**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

UNIVERSAL R-1234YF MASTER KIT

Repair kit for 14 and 17mm high and low side service ports.

Contents: Valve Assembly, High & Low Side 17mm Connector for R-1234YF, Standard Valve Core Remover/Installer Assembly, GM Large Bore Valve Core Remover/Installer Assembly, Eaton R-134a/R-1234yf High Side Valve Core Remover/Installer Assembly, Plastic Molded Box.

NTE **78-1112**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

1/2 IN. ACME-M X 1/2 IN. ACME-F LH THREAD

1/2" Thread size.

NTE **78-1113**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

12MM-M X 1/4 IN. FL-M CONNECTOR

1/4" Thread size.

NTE **78-1114**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

R-134A 1/2 IN. ACME-M THREAD SELF-SEALING DESIGN CAN TAP VALVE

Self-sealing reusable design can tap valve features an exclusive full grip valve knob and its all-metal construction provides durability.

- Gasket assures leak proof operation
- Built-in safety check
- Meets SAE J2844

NTE **78-1115**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

R-134A SELF-SEALING DESIGN RECHARGE KIT

Charge air conditioning systems using R-1234yf self-sealing, reusable designed recharge kit. Included is a R-1234yf 1/2 ACME-LH thread can tap valve, 12mm-F x 14mm low side quick coupler and an 18 inch blue hose. Meets SAE J2844 and J2888.

NTE **78-1116**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

R-134A TO R-1234YF DELUXE CONVERSION KIT

Deluxe conversion kit for converting R-134a to R-1234yf.

- R-1234yf manual high and low side coupler
- 1/2 Acme-M x 1/2 Acme-F fitting
- R-1234yf adapter, 17mm FL x 12mm ML

NTE **78-1117**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Mastercool

R-134A TO R-1234YF ECONOMY CONVERSION KIT

Economy conversion kit for converting R-134a to R-1234yf.

- R-1234yf high and low side quick coupler, 12mm-F x 14mm
- 1/2 Acme-M x 1/2 Acme-F fitting
- R-1234yf adapter, 17mm FL x 12mm ML

NTE **78-1118**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

A/C Shut-Off Valves & Adapters

Mastercool

SERVICE COUPLER REPAIR PARTS

Item No.	Description
NTE **78-3435**	Replacement O-Ring for High Side Service Couplers *NTE* **78-3431** & *NTE* **78-3433**. 1 Pack of (10)
NTE **78-3436**	Replacement O-Ring for Low Side Service Couplers *NTE* **78-3432** & *NTE* **78-3434**. 1 Pack of (10)

S.U.R.&R.

HNBR O-RING ASSORTMENT

- Save time and money with this convenient, portable assortment of popular replacement HNBR O-Rings.
- HNBR withstands wider temperature variations and resists more chemicals than standard O-Rings
- Ideal for most automotive fluids and refrigerant applications
- Includes labeled case for quick identification and organization
- All replacement pieces available for reorder

SER **HOR350**

Contents

Item No.	Size	*SER* **HOR350** Qty.
SER **HOR110**	4.5 x 1.5 (reorder qty. of 50)	5
SER **HOR120**	4.48 x 1.78 (reorder qty. of 50)	10
SER **HOR140**	6.07 x 1.78 (reorder qty. of 50)	10
SER **HOR150**	7 x 1.5 (reorder qty. of 50)	10
SER **HOR160**	6.5 x 2 (reorder qty. of 50)	10
SER **HOR170**	7.2 x 1.78 (reorder qty. of 50)	10
SER **HOR220**	7.66 x 1.78 (reorder qty. of 50)	20
SER **HOR230**	6 x 2.5 (reorder qty. of 50)	10
SER **HOR240**	8 x 2 (reorder qty. of 50)	5
SER **HOR260**	9.25 x 1.78 (reorder qty. of 50)	20
SER **HOR270**	10 x 1.9 (reorder qty. of 50)	5
SER **HOR280**	9 x 2.62 (reorder qty. of 50)	10
SER **HOR410**	9.8 x 1.9 (reorder qty. of 50)	10
SER **HOR430**	10.82 x 1.78 (reorder qty. of 50)	20
SER **HOR440**	9.19 x 2.62 (reorder qty. of 50)	10
SER **HOR460**	10 x 2.5 (reorder qty. of 50)	10
SER **HOR470**	11.11 x 2.38 (reorder qty. of 50)	10
SER **HOR480**	12 x 2 (reorder qty. of 50)	10
SER **HOR510**	12.42 x 1.78 (reorder qty. of 50)	10
SER **HOR520**	10.77 x 2.62 (reorder qty. of 50)	10
SER **HOR540**	12.7 x 1.58 (reorder qty. of 50)	10
SER **HOR550**	13 x 2 (reorder qty. of 50)	5
SER **HOR570**	12 x 2.5 (reorder qty. of 50)	10
SER **HOR580**	13.9 x 1.8 (reorder qty. of 50)	20
SER **HOR620**	12.37 x 2.62 (reorder qty. of 50)	10
SER **HOR640**	14.8 x 2.4 (reorder qty. of 50)	5
SER **HOR660**	14.28 x 2.38 (reorder qty. of 50)	5
SER **HOR680**	15.6 x 1.78 (reorder qty. of 50)	10
SER **HOR720**	13.95 x 2.62 (reorder qty. of 50)	10
SER **HOR740**	14.2 x 2.62 (reorder qty. of 50)	5
SER **HOR760**	17.17 x 1.78 (reorder qty. of 50)	20
SER **HOR780**	15.8 x 2.62 (reorder qty. of 50)	5
SER **HOR830**	19 x 2.5 (reorder qty. of 50)	10
SER **HOR870**	20 x 3.5 (reorder qty. of 50)	10

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C R-134A HIGH-/LOW-SIDE SERVICE PORT LEAK REPAIR KIT

Includes replacement caps for high- and low-side valves, plus a valve core tool to tighten loose cores. Fits all R-134a systems.

BK **765-4103**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

A/C O-RING ASSORTMENTS

High-temperature HNBR rubber o-rings for R-12 and R-134a systems. Includes eight of the most commonly used o-ring sizes.

BK **765-3137**

BK **765-3136** 24 Pc.
BK **765-3137** 240 Pc.

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

S.U.R.&R.

A/C INLINE FILTER & ORIFICE TUBE INSTALLATION KIT

- Unique, dual purpose, universal kit that allows you to install an A/C inline filter or orifice tube into the system
- The *SER* **AC128** helps protect costly components from being damaged by trapping the debris produced by failed A/C compressors
- Capable of housing any size orifice tube – installation clips included
- Install an orifice tube when experiencing symptoms such as frost coming out of the vents or compressor running constantly
- Fits multiple size lines including $^{5}/_{16}$", $^{3}/_{8}$" and ½" – simply cut out desired line section (up to 2") and install *SER* **AC128**
- Works on cars, trucks and SUVs (domestic and foreign)
- Reduce labor – avoid difficult work removing and installing lines

SER **AC128**

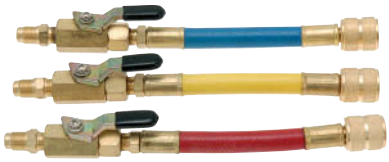
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAPA COLD POWER

NAPA® COLD POWER™ R-12/R-134A SIDE CAN TAP REPLACEMENT GASKETS

For Side Can Tap *NTE* **78-1009**.

NTE **78-1472**



COLD POWER

3 PC. MANUAL SHUT-OFF VALVE SET

Ball valve design with flexible hose controls refrigerant with a quarter turn of the valve handle. One hand operation. Screws onto charging hose end. Blue, yellow, and red. 1/4" MFL x 1/4" FFL fittings.

NTE **78-1440**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C MANUAL SHUT-OFF HOSE BALL-VALVE

Hose Color: Yellow. Fittings: 1/2" ACME-M x 1/2" ACME-F.

NTE **78-3601**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

NTE **78-3614**

NTE **78-3615**

90° ADAPTERS

Item No.	Description
NTE **78-3614**	90° Elbow Adapter 1/4" MFL x 1/4" FFL
NTE **78-3615**	90° Elbow Adapter 1/4" MFL x 3/16" FFL (High Side) GM 1976-Later

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

SERVICE HOSE REPLACEMENT PARTS

	1/4" SAE Item Numbers		1/2" ACME Item Numbers	
	Gasket	Depressor	Gasket	Depressor
Charging Hoses	*NTE* **78-3550***	*NTE* **78-3551***	*NTE* **78-3441***	—
Shut-Off Valve	*NTE* **78-3606***	—	*NTE* **78-3613***	—

	14mm-m O-ring	UNF 1/2 -20"	
		Gasket	Depressor
Charging Hoses	*NTE* **78-3442***	*NTE* **78-3550***	*NTE* **78-3551***
Shut-Off Valve	—	*NTE* **78-3606***	—

*** Pack of 10.**

⚠ **WARNING: (*NTE* 78-3551) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE

A/C SERVICE PORT TAMPER EVIDENT SLEEVES

Serialized labels, helps prevent unauthorized repairs and contamination.

- Includes serial number
- Single Billable
- Protects against unqualified repairs
- Comes in storage bag
- Protects against contamination

NTE **78-4737**

TRACERLINE

A/C SERVICE PORT TAMPER EVIDENT STRAPS

Serialized labels, helps prevent unauthorized repairs and contamination.

- Includes serial number
- Comes in storage bag
- Protects against unqualified repairs
- Protects against contamination
- Single Billable

NTE **78-4738**

R-12 STANDARD FITTINGS:
1/4" Male Flare (MFL, or FL-F)
1/4" Female Flare (FFL or FL-F)

FITTING TYPES:
MFL or FL-M = Male Flare
FL or FL-F = Female Flare

R-134A STANDARD FITTINGS:
1/2" ACME Male (M) or Female (F)

COLD POWER Mastercool

NTE **78-1200** *NTE* **78-3199** *NTE* **78-1201** *NTE* **78-1202** *NTE* **78-3617**

NTE **78-3618** *NTE* **78-3620** *NTE* **78-3603** *NTE* **78-3607** *NTE* **78-3619**

STRAIGHT ADAPTERS

Item No.	Description
NTE **78-1200**	R-134a Adapter - 1/4" FFL x 1/2" ACME-M
NTE **78-3199**	1/2" ACME female x 1/4" male flare brass adapter
NTE **78-1201**	14mm-M x 1/4" MFL
NTE **78-1202**	1/4" MFL x 1/4" FFL
NTE **78-3617**	Swivel Adapter 1/4" MFL x 3/16" FFL (High Side) GM 1976-Later/Ford 1981-Later
NTE **78-3618**	Tank Adapter (R-134a) 1/2" ACME-F x 13mm R-134A (Low-Side)
NTE **78-3620**	Access Service Adapter - 1/4" MFL x 1/8" MP
NTE **78-3603**	Service Adapter - GM 1991-Later
NTE **78-3607**	1/4" MFL x 1/8" FFL (High Side) Ford Flex Adapter 1980-77
NTE **78-3608**	Replacement Gasket for Ford Flex Adapter *NTE* **78-3607**
NTE **78-3619**	Vacuum Pump Tee Adapter 1/4" FFL x 1/4" MFL x 1/2" ACME-M outlets

⚠ **WARNING: (*NTE* 78-1200, *NTE* 78-3617, *NTE* 78-3618, *NTE* 78-3620, *NTE* 78-3603, *NTE* 78-3607 & *NTE* 78-3619) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Charging Hose Repair Parts

COLD POWER

Mastercool

SHUT-OFF VALVES

NTE **78-1610** *NTE* **78-1611** *NTE* **78-3600** *NTE* **78-3605**

Item No.	Description
NTE **78-1610**	Shut-Off Valve 1/4" MFL x 1/4" FFL
NTE **78-3612**	Replacement Gasket for *NTE* **78-1611**
NTE **78-3600**	R-134a Shut-Off Valve 1/2" ACME-M x 1/2" ACME-F
NTE **78-3605**	90° Shut-Off Valve 1/4" MFL x 1/4" FFL

⚠ **WARNING: (*NTE* 78-1610, *NTE* 78-3600 & *NTE* 78-3605) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CHARGING HOSE REPAIR PARTS

Mastercool

CHARGING & DEPRESSOR ASSORTMENT

Replacement gaskets, o-rings, and depressors for charging hoses and adapters. Consists of: (3) 1/4" gaskets, (3) 1/4" depressors, (3) 3/16" depressors, (3) 3/16" gaskets, (3) 1/8" o-rings.

NTE **78-3440**

Mastercool

DELUXE A/C SERVICE REPAIR KIT

Contains replacement gaskets, depressors, o-rings, and nylon guides for charging hoses and adapters. 90 pc. assortment comes in 8-bin clear plastic storage tray.

NTE **78-3602**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

BRASS DEPRESSOR

Screw-in type charging hoses. SAE 1/4". 1 Pack of 10.

NTE **78-1444**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C REFRIGERANT TOP CAN TAPS

Screw-on design for refrigerant top can taps. Gasket assures leak-proof operation. Also features built-in safety check and exclusive full-grip valve knob. Size: 1/2" ACME-M.

Item No.	Description
NTE **78-3012**	R-134a Top Can Tap
NTE **78-3013**	Gasket, R-134 Top Can Tap Replacement (*NTE* **78-3012**)

NTE **78-3012**

⚠ **WARNING: (*NTE* 78-3012) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

SIDE CAN TAP

Refrigerant can tap for R-134a, R-12 & oil charge. Brass fitting with 1/4" MFL & 1/2" ACME-M.

Item No.	Description
NTE **78-1009**	For use with 1/4" or 1/2" hose with quick coupler
NTE **78-1472**	Replacement Gasket (Pack of 10)

⚠ **WARNING: (*NTE* 78-1009) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

A/C R-134A REFRIGERANT HOSE CAN TAP KIT

For use when adding R-134a refrigerant and oil charge to R-134a systems under pressure. Includes 1/2" ACME top can tap valve, 10.25" charging hose, and low-side R-134a quick coupler. Hose assembly is 12.75" overall length.

Item No.	Description
NTE **78-1013**	Can Tap Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

ELECTRONIC TANK HEATER BLANKET

Speeds up charge time by maintaining a constant temperature, which creates a positive pressure between refrigerant tank and A/C system. Assures total discharge of refrigerant from 30 and 50 lb. tanks. Heats tanks to 125° F (51.7° C) resulting in maximum pressure of 185 PSI for R-134a and 170 PSI for R-12. 110 Volts, 300 Watts.

NTE **78-3803**

NOTE: Tank not included.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

1.3 CFM AIR-OPERATED LIGHT-DUTY VACUUM PUMP

- Requires 4.5 cfm/90 PSI shop air
- No Moving Parts, No Oil Required
- Pump Will Pull Up To 29" of Vacuum (Hg.) At Sea Level
- Includes 1/4" Male Flare (MFL R-12) Connection and 1/2" ACME (R-134a) Connection

NTE **78-3905**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C FLUSH KIT

Non-corrosive, non-flammable. Made in the USA. Shake before use and turn upside down. Pressurized container is ready to use. For professional use. Total A/C quick flush contains specific fluid for the inner flushing of air conditioning and refrigeration systems. O-Ring safe.

NTE **78-3940**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C FLUSH SOLVENT

O-Ring safe, non-flammable and non-corrosive. For professional use. Pressurized container is ready to use. Shake before use and turn upside down. Total A/C Quick Flush is a specific fluid for the inner flushing of air conditioning and refrigeration systems. 17.6 oz.

Item No.	Description
NTE **78-3939**	17.6 Oz. Single Can
NTE **78-3942**	17.6 Oz. Cans/6 Pack

⚠ **WARNING: (*NTE* 78-3939) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C FLUSH SOLVENT

O-Ring safe, non-flammable and non-corrosive. For professional use. Pressurized container is ready to use. Shake before use and turn upside down. Made in the USA. Total A/C Quick Flush is a specific fluid for the inner flushing of air conditioning and refrigeration systems. 17.6 oz.

Item No.	Description
NTE **78-3941**	17.6 Oz. Single Can

COLD POWER

A/C SYSTEM FLUSH KIT

Includes flush gun, hose, canister and canister adapter. Designed to work with any lightweight flushing agent, which can be mixed with pressurized air. Excellent for quickly and effectively removing refrigerant oil debris during compressor replacement or retro-fitting.

NOTE: When flushing a contaminated system, follow the procedures provided by the system or component manufacturer and use recommended flushing material and equipment.

Use with *TEM* **409889** NAPA Temperature Solvent.

Item No.	Description
NTE **78-1020**	Flush Kit
NTE **78-1022**	Replacement Gun

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

NTE **78-9901**

NTE **78-9906**

VACUUM PUMPS

Engineered specifically for air conditioning and refrigerant service. Single and two-stage, offset rotary vane design provides powerful, quiet high vacuum capability and assures moisture removal. All vacuum pumps are compatible with R-12 and R-134a.

Item No.	CFM	HP	Stage	Micron Rating
NTE **78-9901**	3	1/3	Two	35
NTE **78-9902**	1.5	1/5	Single	115
NTE **78-9903**	1.5	1/5	Two	115
NTE **78-9904**	3	1/4	Single	75
NTE **78-9906**	4	1/3	Two	15
NTE **78-9907**	5	1/2	Single	75
NTE **78-9908**	5	1/2	Two	35
NTE **78-9909**	6	1/3	Two	15

⚠ **WARNING: (*NTE* 78-9903, *NTE* 78-9906, *NTE* 78-9908 & *NTE* 78-9909) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

Vacuum Pumps

COLD POWER Mastercool

ROTARY VANE DEEP VACUUM PUMPS

The more air a pump moves, the faster it can reach an acceptable vacuum. A smaller pump takes more time to evacuate a system than one that is the correct size for the job. Two-stage design cleans the system more thoroughly than a single-stage pump. The second stage starts pumping at a lower pressure so you can pull a deeper ultimate vacuum.

NTE **78-3904**

Pump Features

- Manifold valve isolates pump from the system when testing for leaks. Includes 3 inlet ports: 1/4", 3/8" SAE and 1/2" ACME on 5 and 7.5 cfm models
- Internal check valve stops oil blowout in case of accidental power loss
- Gas ballast valve helps prevent oil contamination caused by high moisture
- Center oil fill port is accessible from front as well as sides
- Durable lightweight die cast aluminum housing
- Derlin vanes provide quieter, longer lasting performance
- Two-stage design (select models) allows lower pumping pressure resulting in deeper ultimate vacuum
- Oil drain valve positioned at bottom of oil reservoir assures max. drainage

SELECTING THE RIGHT SIZE PUMP

Item No.	Free Air Displacement	Stages	Micron Rating	Micron Speed	Pump Intake Fitting	Capacity	Oil Size	Motor Recommended Uses
NTE **78-1900**	1.8 cfm	1	80	1,725 RPM	1/4" MFL & 1/2" ACME	8 oz.	1/4 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-1901**	3 cfm	1	80	1,725 RPM	1/4" MFL & 1/2" ACME	8 oz.	1/4 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-1902**	5 cfm	1	80	1,725 RPM	1/4" MFL & 1/2" ACME	12 oz.	1/3 HP	RVs, Box Trucks, Residential A/C
NTE **78-3901**	3 cfm	1	75	1,720 RPM	1/4" MFL & 1/2" ACME	24 oz.	1/4 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-3902**	5 cfm	2	25	1,725 RPM	1/4", 3/8" MFL & 1/2" ACME	18 oz.	1/3 HP	RVs, Box Trucks, Residential A/C
NTE **78-3903**	6 cfm	2	15	3,440 RPM	1/4", 3/8" MFL & 1/2" ACME	8 oz.	1/3 HP	RVs, Box Trucks, Residential A/C
NTE **78-3904**	7.5 cfm	2	25	1,725 RPM	1/4", 3/8" MFL & 1/2" ACME	24 oz.	1/2 HP	Tractors/Trailers, Buses, Rooftop A/C Systems

*** VOLTAGE: All units 110V/60Hz.**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Mastercool

MASTERCOOL 18V CORDLESS VACUUM PUMP KIT – 1.5 CFM

- Reinforced base provides extreme shock resistance
- Equipped with an exclusive oil mist free exhaust port
- Pump runs with extremely high ultimate vacuum and low noise
- Air cooled motor design allows for operation under high temperature conditions
- Sure-Grip handle, ergonomically designed for superior comfort and portability
- Accessible oil drain port and sight glass make both oil maintenance and accuracy easy
- Built-in device eliminates oil mist and an oil-gas separator at the air exhaust outlet prevents oil contamination in the air exhaust
- Cordless pump
- 6" H. x 10" L x 4" W

Contents: Vacuum Pump, 1/4" SAE port and 1/2" ACME adapter, Rechargeable Battery, Adapter Sleeve, Battery Charger

NTE **78-3950**

⚠ WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.

Mastercool

MASTERCOOL 18V CORDLESS VACUUM PUMP WITHOUT BATTERY – 1.5 CFM

- Reinforced base provides extreme shock resistance
- Equipped with an exclusive oil mist free exhaust port
- Pump runs with extremely high ultimate vacuum and low noise
- Air cooled motor design allows for operation under high temperature conditions
- Sure-Grip handle, ergonomically designed for superior comfort and portability
- Accessible oil drain port and sight glass make both oil maintenance and accuracy easy
- Built-in device eliminates oil mist and an oil-gas separator at the air exhaust outlet prevents oil contamination in the air exhaust

Contents: 18V Cordless Vacuum Pump, 1/4" SAE Port, 1/2" ACME Adapter

NTE **78-3951**

⚠ WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.

Mastercool

MASTERCOOL RECHARGEABLE BATTERY AND ADAPTER SLEEVE – 18V

- Rechargeable, lithium ion
- Battery and adapter sleeve is to be used with *NTE* **78-3950**
- Mastercool does not recommend *NTE* **78-3950** be used with any other battery
- 6 Amp

NTE **78-3952**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

Mastercool

MASTERCOOL 18V RECHARGEABLE BATTERY

- Rechargeable, lithium ion
- Battery is to be used with *NTE* **78-3950**
- Mastercool does not recommend *NTE* **78-3950** be used with any other battery
- 6 Amps

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

NTE **78-3953**

Mastercool

MASTERCOOL BATTERY CHARGER

- 110V standard US cable
- Input of 100-240V, 50-60 Hz, 75 Watt
- Output 18V/14.4V, 3A
- Mastercool does not recommend *NTE* **78-3950** to be used with any other battery
- 5 ft. length power cord
- Thermal overload protection

NTE **78-3954**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

Mastercool

MASTERCOOL ADAPTER SLEEVE

Adapter sleeve for use with Mastercool 18V rechargeable battery. 3 in. length.

NTE **78-3955**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

Mastercool

VACUUM PUMP OIL

Oil should be changed often to ensure proper pump performance and longest pump life. Vacuum pump oil is hygroscopic (able to absorb moisture from air) so use promptly and close container tightly after use.

Item No.	Description
NTE **78-3910**	10 oz. Bottle, # 48 Viscosity
NTE **78-3932**	32 oz. Bottle

CARLYLE TOOLS by NAPA

6 PC. LOW-PROFILE QUICK-DISCONNECT SET

Contains six popular size air conditioning and fuel line quick-disconnect tools for hard to reach areas. Flexible plastic design allows for easy application over tubing to access disconnects. Sizes include: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

SER **3530**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C SERVICE TOOLS

CARLYLE TOOLS by NAPA

6 PC. AIR CONDITIONING/FUEL LINE DISCONNECT TOOL SET

Disconnects spring lock couplings on Chrysler and Ford air conditioning lines. Also works on Chrysler, GM and Ford fuel line quick-connect couplings. The 5/16" size fits Ford radiator and transmission line push lock connectors. Set includes six sizes: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

SER **77-4031**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER Mastercool

4 PC. SPRING LOCK COUPLING TOOL SET

Four sizes 3/8" (#6), 1/2" (#8), 5/8" (#10), and 3/4" (#12) used on Fords and Chryslers. Durable spring loaded design for long life and reliable fit.

Item No.	Description
NTE **78-1106**	4 Pc. Spring Lock Coupling Tool Set
NTE **78-3106**	3/8" Spring Lock Coupling Tool
NTE **78-3107**	1/2" Spring Lock Coupling Tool
NTE **78-3108**	5/8" Spring Lock Coupling Tool
NTE **78-3109**	3/4" Spring Lock Coupling Tool

CARLYLE TOOLS by NAPA

FORD AIR CONDITIONING & FUEL LINE SPRING LOCK COUPLING TOOL

Most Ford vehicles are equipped with spring lock couplings on fuel and air conditioning lines. Necessary tool releases locking mechanism on all four sizes: A (3/4"), B (5/8"), C (1/2") and D (3/8").

CAUTION: For intended use only. Do not use with engine running. Release system pressure before disconnecting coupling.

SER **3290**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

CONDENSER FIN COMB

Cleans and straightens condenser and evaporator fins. Six-sided head for 8, 9, 10, 12, 14, and 15 fins per inch application.

NTE **78-1110**

A/C Service Tools

Mastercool

A/C R-134A VALVE CORE TOOL

Removes and installs air conditioning system valve cores, without evacuating system.

NTE **78-3101**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

UNIVERSAL R-12/R-134A VALVE CORE SERVICE KIT

Access and replace valve cores without losing system charge. Patented kit covers all R-12 and R-134a system valve cores for Standard, JRA, and Eaton.

NTE **78-3219**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

UNIVERSAL VALVE CORE REMOVER

Double-ended for easy replacement of standard and GM R-12 large bore valve cores.

NTE **78-3210**

COLD POWER

LARGE BORE VALVE CORE REMOVER

NTE **78-1097**

COLD POWER

NTE **78-1099**

NTE **78-1100**

STANDARD VALVE CORE REMOVER/INSTALLER

NTE **78-1099** For 1/4" Flare Fittings
NTE **78-1100** Shaft Only

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD POWER

NTE **78-1101**

NTE **78-1102**

LARGE BORE VALVE CORE REMOVER/INSTALLER

NTE **78-1101** For 1/4" Flare Fittings
NTE **78-1102** Shaft Only

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

R-12 SERVICE PORT THREAD REPAIR TOOL

Re-cuts stripped R-12 service port threads. All-in-one design to 1/8", 3/16", and 1/4" service ports. An excellent retrofit tool - it will ensure that the R-134a retrofit adapters will fit securely.

NTE **78-3211**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

R-134A OCTAGON SERVICE PORT SOCKETS

NTE **78-3006** High-Side
NTE **78-3005** Low-Side

NTE **78-3006**

NTE **78-3005**

ROBINAIR

DIGITAL THERMOMETER

Thermometer offers full-feature capabilities in a case that is small enough to fit in your shirt pocket. Accurate readings from -40° F to 390° F. (-40° C to 199° C)

NTE **78-9105**

COLD POWER Mastercool

NTE **78-1000**

NTE **78-1001**

BK **765-3148**

NTE **78-3000**

THERMOMETERS

Includes pocket holder and clip.

Item No.	Dial Size	Temperature Scale / Features
Pocket Analog Design		
NTE **78-1000**	1"	0°-220° F
NTE **78-1001**	1 3/4"	0°-220° F
BK **765-3148**	1"	0°-200° F
Pocket Digital Design		
NTE **78-3000**	1"	-58°-302 F / Battery operated (1.5V, life of 5,000 hrs.), On/Off and auto shut-off after 10 minutes

CARLYLE TOOLS by NAPA

INFRARED THERMOMETER WITH LASER

Thermometer features an enhanced back-lit LCD display. Compact design is simple to use and easy to store.

Specifications

Temperature Range: ..... -36°-689° F (-38° – 365° C)
Operating Range: ..... 32° to 122° F
Distance to Spot: 12:1
Target Indicator: ..... Single Laser Spot
Power: ..... 14 hrs. Battery life/power off after 15 sec.
Response Time: ..... 1 second

SER **78-3880**

Mastercool

INFRARED POCKET THERMOMETER

Mastercool's pocket infrared thermometer offers accurate temperature measurement in a compact, easy-to-use size. Features back-lit LCD display, adjustable emissivity and minimum/maximum capture mode.

Specifications

Temperature Range: ..... -67° to 428° F
Operating Range: ..... 14° to 122° F
Distance to Spot: 1:1
LCD Display: ..... Back-lit
Target Indicator: ..... Single Laser Spot
Power: ..... 40 hrs. Battery life/power off after 15 sec.
Response Time: ..... 1 second

NTE **78-3870**

Mastercool

INFRARED THERMOMETER W/ TARGET LASER

Compact design provides laser-targeting accuracy. Features enhanced, back-lit LCD display.

Specifications

Temperature Range: ..... -58-932° F (-50-500° C
Distance-to-Spot Ratio: 12:1
LCD Display: ..... Backlit
Target Indicator: ..... Single Laser Spot
Power: ..... 180 hrs. Battery life/power off after 15 sec.
Power: ..... Two AAA batteries (included)
Response Time: ..... 0.5 seconds

NTE **78-3871**

ROBINAIR

REFRIGERANT IDENTIFIER

Know whether or not you have acceptable R-134a refrigerant before servicing the vehicle. Notifies you when the system contains excessive air. Pass and Fail lights clearly show if refrigerant is pure enough to be recovered. Pass/Fail 95% pure R-134a. SAE J1771 and UL/C approved.

NTE **78-9805**

Mastercool

A/C REFRIGERANT IDENTIFIER FILTER

The Refrigerant Identifier helps confirm the presence and quality of R-134a refrigerant in vehicle air conditioning systems to protect against refrigerant contamination. Delivers quick and precise refrigerant analysis in a rugged, compact, and portable package. Automatically provides step-by-step indication of the gas sampling process.

NTE **78-3874**

Mastercool

ACCU-CHARGE II™ ELECTRONIC REFRIGERANT SCALE

ACCU-CHARGE II™ is the most advanced electronic refrigerant scale in the market today. Constructed with a rugged aluminum cast body, ACCU-CHARGE II™ offers programming capabilities: charge programming allows user to program desired quantities. Before charge is complete, an alarm will sound allowing user ample time to turn off refrigerant supply; tank capacity programming allows user to know the amount of refrigerant left in the tank at any time; Repeat allows user to charge previously stored amount. Three-hour auto off function. Platform: 9" x 9".

Specifications

Capacity: ..... 240 lbs.
Accuracy: ..... + 0.16 oz., + 0.01 lb., + 0.01 kg. ..... or 0.1% of reading (whichever is greater)
Resolution: ..... 0.02 lb.
Operating Temperature: ..... 32°-120° F (0° – 49° C)
Battery Life approx.: ..... 40 hrs.

NTE **78-3801**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

A/C CHARGING SCALE

Features 220 lb. heavy-duty load cell and LCD display. Measures to .5 oz. Case included.

NTE **78-3875**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C Leak Detection Equipment

ROBINAIR

REFRIGERANT LEAK DETECTOR

The Robinair *NTE* **LD3** Economy Refrigerant Leak Detector is an entry-level leak detector that is compatible with most commonly used refrigerants today including R-1234yf and R-134a. The *NTE* **LD3** uses an audible alarm to alert technicians of leaks and is equipped with a stable sensor that will last up to 10 years.

- Low battery indicator
- Long life, stable sensor
- True mechanical pump
- Comfortable handle grip
- Three adjustable sensitivity levels
- Automatic calibration and reset to ambient
- Uses (4) AA alkaline batteries, included
- Meets all current industry leak detector standards

NTE **LD3**

ROBINAIR

REFRIGERANT LEAK DETECTOR

The Robinair *NTE* **LD7** Premium Refrigerant Leak Detector features a new color graphic display that highlights leak sizes in two unique ways. Bar graph mode shows the amount of refrigerant detected in the air and changes colors as the sensor gets closer to the leak. Sweep mode allows the user to see the level of refrigerant detected in the air through a line graph that helps the user trace back and forth to pinpoint the exact source of the leak. The *NTE* **LD7** also uses an audible alarm to alert technicians of a refrigerant leak, UV LED lights to locate leaks using UV dye and an inspection light for searching in dark locations. The *NTE* **LD7** is compatible with most commonly used refrigerants today, including R-134a and 1234yf, and is equipped with a stable, long life sensor that will last up to 10 years.

- Patented 3 LED UV lights with 395-415 nm wave
- Length is optimum for a/c dye fluorescence
- Unique color graphic LCD screen
- True mechanical pump
- Sweep mode function to pinpoint leak source
- Automatic calibration and reset to ambient
- User friendly message and error screens
- High intensity LED inspection light
- Three adjustable sensitivity levels
- Audio mute function
- Comfortable handle grip

NTE **LD7**

ROBINAIR

REFRIGERANT LEAK DETECTOR

The Robinair *NTE* **LD5** Select Refrigerant Leak Detector features a new color graphic display that helps locate leaks using a unique bar graph mode to show the amount of refrigerant detected in the air and changes colors as it gets closer to the leak. The *NTE* **LD5** also uses an audible alarm to alert technicians of refrigerant leaks and an inspection light for searching in dark locations. The *NTE* **LD5** is compatible with most commonly used refrigerants today including 1234-yf and R-134a and is equipped with a stable, long life sensor that will last up to 10 years.

- Low battery indictor
- Long life, stable sensor
- Comfortable handle grip
- Three adjustable sensitivity levels
- User friendly message and error screens
- Uses (4) AA alkaline batteries, included
- High intensity LED inspection light
- Automatic calibration and reset to ambient
- Unique color graphic LCD display
- Meets all current industry leak detector standards

NTE **LD5**

TIF

LEAK DETECTORS

Microprocessor controlled circuit with advanced digital signal processing detects all halogenated refrigerants. Leak detectors feature variable frequency audible alarm, CE approval, and are UL classified. Include 14" flexible stainless steel probe with teflon liner, and carrying case. Tactile keypad controls. Certified to SAE J1627.

Specs.	*NTE* 78-9801	*NTE* 78-9803	*NTE* 78-9804
Ultimate Sensitivity	< 0.4 oz per year (11 gr/yr)	< 0.25 oz per year (7 gr/yr)	< 0.1 oz per year (3 gr/yr)
True Mechanical Pump	N/A	Yes	Yes
Visual Leak Indication Levels	N/A	6 (single color)	18 (tri-color)
Sensitivity Levels	1	2	7
Battery Life	Approx. 40 hrs.	Approx. 30 hrs.	Approx. 30 hrs.

Mastercool "World Class Quality"

ELECTRONIC LEAK DETECTOR

Offers an accurate and reliable solution to Electronic Leak Detection.

Features

- 3 Levels of sensitivity (5 Levels of detection)
- Visual Leak Level Indicator
- Detects leaks as small as 1/10th oz. per year
- Detects all refrigerants, CFCs, HCFCs, HFCs
- Includes custom molded carrying case

Item No.	Description
NTE **78-3703**	Mastercool® Electronic Leak Detector
NTE **78-3704**	Replacement Bulb

⚠ **WARNING: (*NTE* 78-3703) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

INSPECTOR™ 2-IN-1 ELECTRONIC/ UV LEAK DETECTOR

Revolutionary design allows the user to perform electronic and UV leak detection all with one tool. The Inspector™ offers six levels of sensitivity (15 levels of detection) with a tri-colored LED indicator. This allows the Inspector™ to pin-point leaks as small as 1/10th oz. per year. The ultra bright UV light is built into the end of the probe allowing easy access into tight areas. Incorporating both electronic and UV technology into one unit ensures that even the toughest leaks can be found.

Features

- Ultra bright UV/Blue LED light
- UV safety glasses
- 6 Levels of sensitivity (15 levels of detection)
- Tri-colored visual leak level indicator
- Mute function
- Detects leaks as small as 1/10th oz. per year
- Detects all refrigerants, CFCs, HCFCs, HFCs
- Includes custom molded carrying case

NTE **78-3705**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE

PRO-ALERT ELECTRONIC REFRIGERANT LEAK DETECTOR

Features high-performance, heated-diode sensor technology with up to 200 hours of life. Optimum sensitivity detects leaks of 0.03-0.06 oz./yr. Variable intensity, audible alarm and flashing LED help pinpoint leaks fast. Automatically self-calibrates to neutralize background contamination. High/low switch for accurate diagnosis of both large/small leaks and flexible metal probe, which holds position in tight quarters. Replaceable foam filter protects sensor and pump. Sensitive to both R-12/R-134a refrigerants and certified to meet SAE J1627. Replacement filters, (2) D-cell batteries and rugged storage case all included.

NTE **78-4732**

cps

ELIMINATOR™ CCD REFRIGERANT LEAK DETECTOR

Fully automatic electronic refrigerant leak detector for all HFC, HCFC, CFC, SF6 gases and blends. Exclusive POWERSHIFT software automatically monitors, controls and adjusts all critical instrument settings to ensure maximum leak search results under any job environment. Two separate visual LED displays enables user to pinpoint the exact location of leak source and the approximate size of that leak.

Specifications

- Sensor Type: Cold cathode diode, patented design allows fast, accurate detection of refrigerant leaks maintaining maximum sensitivity throughout the life of the sensor. Highly resistant to background contaminants including heavy condensation, oils, leak solutions, brake oils, radiator coolants, washer fluids, etc
- Sensitivity: Fully automatic selection allowing detection of a 0.25 oz./yr. (7g/yr.) leak rate of HFC.
- Leak Indication: Audible alarms. Two user-selectable audible alarm option (HIGH and LOW intensity)
- Tachometer Visual Display: Tachometer-like bar graph display. Eight high intensity LEDs, current sensitivity range of the unit and subsequent leak size
- Flex Probe: 35.5cm (14") long, 0.25" (6.4mm) diameter
- Operating Temperature: 0° to 140°F (-18° to 60°C)
- Power: 75 hours battery life using three size C alkaline batteries. Auto OFF after 10 minutes of inactivity.
- Low Battery Indicator: Right most LED on Tachometer display illuminates to indicate low battery condition.
- Weight: 1 lb. 2 oz. (500g)
- Warranty: 2 years excluding sensors and batteries

NTE **78-6803** Refrigerant Leak Detector

⚠ **WARNING: (*NTE* 78-6804) Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

cps

LEAK SEEKER™ DELUXE ELECTRONIC LEAK DETECTOR

Combines the most advanced microcomputer circuitry with field proven ion-pump sensor technology creating a highly sensitive, accurate electronic refrigerant leak detector. Over 100 computer generated tones and a high intensity bar graph display quickly alerts the user to varying halogen concentrations. Patented automatic calibration design eliminates the need for manual balance or tick rate adjustments while the user selectable 10 sensitivity ranges enables the LS790B to detect leaks of all refrigerants.

Specifications

- Sensor Type: Patented ion-pump sensor with built-in selective filter housing
- Sensitivity: 0.25 oz./yr (7g/yr) leak rate of HFC
- Audible Alarms: Over 100 computer generated tones varying in intensity with leak size
- Visual Display: 10 high intensity bar graph display
- Lock-Out Mode: Unique feature enables quick & easy locating of refrigerant leaks in highly contaminated search zones. In this mode, the unit will automatically & systematically store the recorded concentration levels of background refrigerant while initiating leak search, alarming only in the area of the highest recorded concentration level, the actual leak source
- Flex probe: 18" (45 cm) long metal cable probe
- Operating Temperature: 0° to 140°F (-18° to 60°C)
- Power: 40 hours battery life using 4 AA alkaline batteries – Auto OFF after 15 minutes of inactivity
- Low Battery Indicator: 5th LED constantly illuminates dimly indicating low battery condition
- Weight: 1 lb. 2 oz. (500g)
- Warranty: 2 years excluding sensors and batteries

NTE **78-6801** Electronic Leak Detector

⚠ **WARNING: (*NTE* 78-6802) Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

A/C Leak Detection Equipment

TRACERLINE®

BIGEZ™ UNIVERSAL A/C LEAK DETECTION KIT

BigEZ™ Universal A/C Leak Detection Kit features a compact, high-intensity LED inspection flashlight and fluorescent leak detection dye. It's designed to find all system leaks quickly and easily.

- Services up to 64 vehicles
- Meets SAE J2297
- Compatible with R-134a, R-1234yf and other refrigerants
- R-1234yf systems require adapter (sold separately)
- AAA Alkaline battery included

NTE **LF016**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

TRACERLINE®

A/C & FLUID LEAK DETECTION KIT

Complete A/C & Fluid Leak Detection Kit features a compact, high-intensity LED inspection flashlight and fluorescent leak detection dyes. It's designed to find all system leaks quickly and easily.

- Services up to 4 vehicles
- Meets SAE J2297
- Compatible with R-134a, R-1234yf and other refrigerants
- R-1234yf systems require adapter (sold separately)
- AAA Alkaline battery included

NTE **LF021**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

TRACERLINE®

EZ-JECT™ UV LEAK DETECTION KIT WITH OPTI-LITE™

Includes

OPTI-Lite™ cordless LED flashlight, EZ-Ject™ A/C dye injector, R-134a hose & coupler with R-12 adapter/ purge fitting, EZ-Ject™ universal dye cartridge for all A/C systems, 1 oz bottle of Dye-Lite® All-In-One™ standard dye for all oil-based fluids, 1 oz bottle of Dye-Lite® coolant dye, fluorescence enhancing glasses, underhood labels and plastic carrying case.

NTE **78-4731** UV Leak Detection Kit
NTE **78-4718** EZ-JECT™ Universal A/C Dye (6) 1/2 oz. capsules

TRACERLINE®

A/C LEAK DETECTION KIT

Everything necessary to perform an A/C only leak detection (low-side injection). Kit includes: inspection lamp, EZ-Shot™ A/C dye injection gun, R-134a hose/ coupler, R-12 adapter/purge fitting, 8 oz. Big EZ™ universal A/C dye cartridge, 8 oz. spray bottle of Glo-Away™ dye cleaner, fluorescence-enhancing glasses, under hood labels, Opti-Lite™ cordless LED flashlight, and plastic carrying case.

NTE **78-4734** A/C Leak Detection Kit
NTE **78-4717** BIG-EZ™ Universal A/C Dye (1) 8 oz. Cartridge

TRACERLINE®

EZ-SHOT KIT

Tracer Products EZ-Shot kit includes dye, UV light, glasses and a case.

- OEM Grade
- CO-Solvent free
- 2-Year Warranty

NTE **78-4776**

TRACERLINE®

EZ-JECT KIT

Tracer Products EZ-Ject kit includes dye, UV light, glasses and a case.

- OEM grade
- CO-Solvent free
- 2-Year Warranty

NTE **78-4777**

TRACERLINE®

EZ-JECT HEAVY-DUTY KIT

Tracer Products EZ-Ject Heavy-Duty kit includes a UV light, glasses and a case.

- OEM grade
- CO-Solvent free
- 2-Year Warranty

NTE **78-4778**

TRACERLINE®

OEM GRADE R-1234YF MINI-EZ KIT

Tracer Products Mini EZ Kit includes a light, glasses and a case and is compatible with 1234yf systems.

- OEM Grade
- CO-Solvent free
- 2-Year Warranty
- Services up to 3 vehicles

NTE **78-4779**

TRACERLINE®

LEAK DETECTION KIT WITH CASE

Tracer Products Multi-Colored Dye Kit includes dye, a light, glasses and a case. The kit includes three color-coded dyes for petroleum and synthetic-based fluids: white dye, yellow dye and blue dye. The kit also includes a specially designed green fluorescent dye for conventional coolant.

- OEM Grade
- CO-Solvent free
- 2-Year Warranty
- Services up to 4 vehicle systems

NTE **78-4780**

TRACERLINE®

MEDIUM LEAK DETECTION KIT

Tracer Products Leak Detector Kit includes a flashlight with fluid and coolant dye, glasses and a case. The kit includes three color-coded dyes for petroleum and synthetic-based fluids: white dye, yellow dye and blue dye. The kit also includes a specially designed green fluorescent dye for conventional coolant.

- OEM Grade
- CO-Solvent free
- 2-Year Warranty
- Services up to 32 vehicle systems

NTE **78-4781**

ROBINAIR

TRACKER A/C UV DETECTION KIT

The easiest and most accurate gun available today. No guesswork due to pre-measured application every time. One squeeze injects a pre-measure amount (1/8 oz.) of dye. No more adding too much dye. Fluoresces dye from up to 50 ft. away. Kit includes injection gun, U/V light, dye, cleaner, glasses, and case.

NTE **78-9701**

CPS®

AIR CONDITIONING LEAK DETECTOR ACCESSORY KIT

Everything you need to be SAE compliant. Includes oil injection kit, electronic leak detector, filter maintenance kit and digital thermometer.

- Designed for the *BKN* **CPCFX1234** Air Conditioning Machine
- Certified to meet SAEJ2791 for R-134a
- Certified to meet SAEJ2913 for HFO-1234yf

Contents: (1) LDA1000H Leak Detector, (1) TMDP Digital Vent Thermometer, (1) Spotgun Jr. Injector, (8) 1 fl. oz. YF PAG 46 Oil Cartridges, (1) YF Hose Adapter, (1) Filter, (1) bottle of Vacuum Pump Oil, (1) Packager of Coupler O-Rings.

BKN **CPCFXP1**

CPS®

AIR CONDITIONING LEAK DETECTOR ACCESSORY KIT

Everything you need to be SAE compliant. Includes oil injection kit, electronic leak detector, filter maintenance kit and digital thermometer.

- Designed for the *BKN* **CPCFX3030** Air Conditioning Machine
- Certified to meet SAEJ2791 for R-134a
- Certified to meet SAEJ2913 for HFO-1234yf

Contents: (1) Spotgun Jr. Injector, (4) 1 fl. oz. YF PAG 46 Oil Cartridges, (4) 1 fl. oz. PAG 46 Oil, (1) YF Hose Adapter, (1) R-134a Hose Adapter, (1) Filter, (1) Vacuum Pump Oil, (1) Coupler O-Rings, (1) TMDP Digital Vent Thermometer, (1) LDA1000H Leak Detector.

BKN **CPCFXP2**

TRACERLINE®

MARKSMAN II ULTRASONIC DIAGNOSTIC TOOL WITH LASER POINTER

Tracer Products Marksman II Ultrasonic Diagnostic Tool pinpoints air brake leaks, gear and bearing wear in wheel hubs, transmissions, transfer cases, differentials,- compressed air, vacuum, electric motors and other pressurized leaks quickly and effortlessly; unique ultrasonic emitter helps locate faulty seals, gaskets and weather stripping in passenger cabs, trailers, and other non-pressurized enclosures.

- Features noise attenuating headphones
- 2-Year Warranty
- Includes a laser pointer, complete with ultrasonic receiver, ultrasonic emitter, air probe, contact probe, headphones and a carrying case

NTE **78-4783**

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A/C Leak Detection Equipment

TRACERLINE®

SOLO-SHOT SINGLE-USE SYRINGE LEAK DETECTION KIT

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- SOLO-SHOT R-134a hose/coupler and purge fitting
- LeakFinder cordless, blue light LED leak detection flashlight *NTE* **78-4764**
- Pre-filled with LeakFinder universal A/C dye
- R-1234yf systems requires *NTE* **78-4773** adapter (sold separately)

Contains (4) disposable syringes

NTE **78-4751**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

UV FLUORESCENT LEAK DETECTION KIT

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- R-134a hose/coupler and purge fitting
- 8 oz. bottle of LeakFinder universal A/C dye
- LeakFinder cordless, blue light LED leak detection flashlight *NTE* **78-4764**
- Reusable

NTE **78-4753**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

SOLO-SHOT R-134A HOSE/COUPLER

Tracer Products features a R-134a Hose/Coupler and a Purge Fitting that is compatible with R-134a systems.

Reusable

- Clamshell packaging
- 2-Year Warranty

NTE **78-4794**

TRACERLINE®

EZ-SHOT™ R-1234YF/PAG A/C DYE INJECTOR KIT

Fluoro-Lite® 5 fluorescent leak detection dyes are used in conjunction with Tracerline® violet or UV flashlights to pinpoint leaks in mobile air conditioning and refrigeration systems.

- OEM Grade
- CO-Solvent free
- For R-1234yf Systems
- EZ-Shot™ Dye Injection Kit with BigEZ™ R-1234yf/PAG A/C System Dye

NTE **78-4789**

TRACERLINE®

LEAKFINDER UNIVERSAL A/C DYE INJECTION KIT

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- 8 oz. BigEZ universal multi-dose A/C dye cartridge
- Caulking gun-style dye injector assembly
- R-134a/PAG hose/coupler with purge fitting

NTE **78-4766**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

TWO SYRINGE INJECTOR KIT WITH HOSE

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- R-1234yf systems requires *NTE* **78-4773** adapter
- Pre-filled w/ LeakFinder universal A/C dye
- SOLO-SHOT R-134a hose/coupler and purge fitting
- ¼" A/C Oil Injector fitting size

NTE **78-4750**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VIEW

LEAKGUARD SPOTGUN INJECTOR KIT

Provides accurate and clean method of injecting dye and oil. Comes with 8 oz. Universal A/C dye and services up to 64 vehicles. OEM approved. Includes injector, dye and hose with coupling adapter.

NTE **78-8024**

VIEW

UV PHAZER NEO LIGHT

The new NEO UB light finds leaks that others miss. High-output UV LED, adjustable focusing lens, and optimized UV wavelength fluoresces light brighter than blue LED lights. Features lithium-ion battery, durable aluminum construction, compact design and 550 mW radiant flux output at NM configuration. Working voltage: 3.7-volt lithium-ion.

NTE **78-8021**

VIEW

LEAKGUARD SPOTGUN JR. INJECTOR KIT

Seals leaks up to 25 oz. per year and provides clean, easy injection method. Will not clog A/C systems or RR equipment. SAE J2970 certified. Includes injection gun, hose with R-134a low side coupler, two Leakguard cartridges, hose filler cartridge and hose bleeder.

NTE **78-8022**

TRACERLINE®

A/C FLUORESCENT REFRIGERANT DYE KIT

- Includes injector, hose/coupler and purge fitting
- R-1234yf A/C dye injection kit is a fast, mess-free, and accurate way of adding dye to your A/C system
- Dye cartridge services up to 14 vehicles
- Includes co-solvent free R-1234yf / PAG dye
- Uses replacement dye cartridge TP-9860CS

Contents

Injector, Hose, Coupler, Dye

NTE **78-4735**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

TRACERLINE®

A/C FLUORESCENT REFRIGERANT DYE KIT

- Hybrid A/C dye injection kit is a fast, mess-free, and accurate way of adding dye to your A/C system
- Includes hybrid dye cartridges
- Single billable
- Uses replacement dye cartridge TP-9811-0301
- Unique dye blend with special additives for hybrid A/C systems
- Compatible Refrigerant Type: R-134a / R-1234yf

Contents

Hybrid coupler, Injector, Hybrid Dye

NTE **78-4736**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

TRACERLINE®

A/C DYE SYRINGE INJECTOR

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- A/C dye syringe injector
- ¼" A/C oil injector fitting size

NTE **78-4769**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

SOLO SHOT DISPOSABLE REPLACEMENT SYRINGES

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks Pre-filled w/ LeakFinder universal A/C dye.
Contains (6) single use disposable syringes

NTE **78-4752**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

R-134A HOSE/COUPLER

- R-134a hose/coupler with purge fitting
- Blue
- 7 In. Hose length
- ¼" Thread size
- 100 PSI working pressure

NTE **78-4770**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

R-12/R-134A ADAPTER/PURGE FITTING

- Adapter/purge fitting for dye injection
- 7 In. Adapter hose size
- Plastic

NTE **78-4768**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

A/C Leak Detection Equipment

TRACERLINE®

R-1234YF ADAPTER/PURGE FITTING

- Adapter/purge fitting for dye injection
- 7 In. Hose size
- Plastic
- For R-1234yf

NTE **78-4773**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool® "World Class Quality"

MASTER LEAK SHIELD 1 OZ. INJECTION SYSTEM WITH SEALANT AND DYE MIXTURE

Lubricates system and helps prevent leaks. Seals small leaks in evaporator, condenser, hoses, O-rings, and gaskets. Illuminates larger leaks with high quality universal fluorescent dye. Safe for hybrid and electric compressors.

NTE **78-3937**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

TRACERLINE®

EZ-SHOT™ A/C KIT

Includes

EZ-Shot™ universal A/C dye injection kit with: EZ-Shot™ dye injection gun, hose/coupler for R-134a systems with R-12 adapter/purge fitting, and 8 oz. universal A/C dye cartridge for servicing up to 64 vehicles.

NTE **78-4709** EZ-Shot™ A/C Kit
NTE **78-4717** Universal BIG-EZ™ Dye, 8 oz.

⚠ **WARNING: (*NTE* 78-4709) Cancer and Reproductive harm – www.P65warnings.ca.gov.**

TRACERLINE®

LEAKFINDER INJECTOR ASSEMBLY

NTE **78-4772**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ROBINAIR

R-134A OIL INJECTOR

R-134a oil injector with 1/2" Acme quick coupler. Use this syringe-type injector to add oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector, and press the plunger. Not recommended for UV dye injection. Fitting size: 1/2".

NTE **78-9102**

ROBINAIR

R-134A OIL INJECTOR ASSEMBLY

Assembly is made of durable polypropylene with oil levels marked in ounces and milliliters. Features solid brass fitting with Lexan hand wheel. Not recommended for UV dye injection. Fitting size: 1/2".

NTE **78-9106**

OIL/DYE INJECTORS

Excellent method for adding refrigerant or adding large amounts of UV leak detection dye to the A/C system. Add oil by allowing vacuum to pull it in using the recharge system. Rugged all-metal 2 oz. canister.

COLD POWER

R-134A OIL & DYE INJECTOR W/EASY CONNECT

Includes low-side quick coupler on outlet hose. 13mm-M x 13mm-F low side coupler.

NTE **78-1630**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

R-12 OIL & DYE INJECTOR W/EASY CONNECT

Includes auto shut-off valve on outside hose. 1/4" FFL x 1/4" MFL fittings. Holds 2 oz.

NTE **78-1701**

⚠⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

Mastercool® "World Class Quality"

STANDARD R-134A REFILLABLE OIL & DYE INJECTOR

Uses needle style valve attached between the manifold gauge set or charging equipment and A/C hose. 1/2" ACME-M x 1/2" ACME- F (R-134a). Holds 2 oz.

NTE **78-3701**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

Mastercool® "World Class Quality"

A/C UNIVERSAL R-12/ R-134A TWIST-STYLE OIL & DYE INJECTOR

Simple to use! Connect injector to low side of the A/C system and twist the handle until desired amount of oil or dye is reached. R-134a coupler and auto shut-off adapter for 1/4-inch FL (R-12) systems included. Holds 2 oz. of bulk dye or oil.

NTE **78-3702**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

Mastercool® "World Class Quality"

RECHARGEABLE TRUE UV FLASHLIGHT WITH BACK UP BATTERY

Twist the handle to zoom the UV light in or out. AAA battery holder provides power to flashlight (3 AAA batteries included). 3 to 5 hour battery life for continuous leak detection. Includes safety glasses. High intensity LED light. 154 - 170 μW / cm2 which is compatible to a 50 watt UV flashlight. Two illumination modes - super bright and battery conservation. Lithium-ion battery, full discharge and cut-off discharge of 4.2 and 2.75 Volt DC. Includes 110 Volt AC Charger.

NTE **78-3935**

Mastercool

17 LED TRUE UV FLASHLIGHT

17 LED bulb UV illumination. 4-hour battery life for continuous leak detection. Includes safety glasses. Aluminum body with type III anodized finish. Easy grip texture. 25,000-hour bulb life. Powered by (3) AAA batteries.

NTE **78-3934**

⚠ **WARNING: Reproductive Harm – www.P65Warnings.ca.gov.**

Mastercool

12 LED TRUE UV FLASHLIGHT

12 LED bulbs UV illumination. 5-hour battery life for continuous leak detection. Includes safety glasses. Aluminum body with type III anodized finish. Easy grip texture. 25,000-hour bulb life. Powered by (3) AAA batteries.

NTE **78-3933**

⚠ **WARNING: Reproductive Harm – www.P65Warnings.ca.gov.**

TRACERLINE

CORDLESS UV LED FLASHLIGHT

Tracer Products Leak Detector Light fluoresces all dyes, including green, white, blue, yellow and red – even in dirty fluids. Plus it includes a UV LED flashlight, belt holder, three AAA batteries and glasses.

- Features a UV LED light source
- 4-Hour run time
- Range up to 20 ft.

NTE **78-4782**

TRACERLINE

OPTI-PRO™ UV FLASHLIGHT

The OPTI-PRO™ UV flashlight comes complete with a powerful violet light LED and adjustable focus lens to identify leaks with ease.

- (3) AAA batteries included
- 20 ft. range

NTE **TPOPUV**

TRACERLINE

LEAKDETECTION LED VIOLET FLASHLIGHT

Tracerline fluorescent leak detection quickly locates even the smallest & most elusive leaks including intermittent & multiple leaks.

- Includes (3) AAA batteries fluorescence-enhancing glasses and lanyard
- Compact violet light LED leak detection flashlight works with all leak detection dyes

NTE **78-4765**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE

OPTI-PRO™ UV PLUS FLASHLIGHT

Powerful, effective and full of features, catch leaks with ease using the new OPTI-PRO™ UV Plus leak detection light. Complete with an adjustable focus lens, high/low lighting and strobe light.

- USB rechargeable lithium ion battery
- 25 ft. range

NTE **TPOPUVP**

id QUEST

NAPA® UV LEAK DETECTOR KIT

High-intensity true UV light and safety glasses.

BK **765-6010**

TRACERLINE

LEAKFINDER CORDLESS BLUE LIGHT LED LEAK DETECTION FLASHLIGHT

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- Inspection range of 6 ft.
- Power comparable to high intensity 75-watt lamps
- Perfect for tight spaces

NTE **78-4764**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool

MACH IV™ LED UV LIGHT

The Mach IV™ flexible UV light has (4) TRUE UV LEDs delivering a brilliant fluorescent glow. Flexible wand design gets into tight areas. Rugged, ergonomic grip. Includes UV enhancing safety glasses. Uses (1) CR-2 battery.

NTE **78-3709**

⚠ **WARNING: Reproductive Harm – www.P65Warnings.ca.gov.**

id QUEST

THE DUALER PRO A/C THERMOMETER/UV FLASHLIGHT

Laser thermometer features digital display screen for instant vent temperature checks. Patented UV light features four LEDs, which converge into a single beam due to the uniquely designed focal lens. Thermometer and light are powered by separate switches. Works with any type of UV dye.

BK **765-3150**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

INDEX

A/C Leak Detection Equipment & Chemicals

THE DUALER A/C UV FLASHLIGHT

Features dual UV and high-intensity, long-reach light. UV flashlight utilizes four LEDs, which converge into a single beam due to the uniquely designed focal lens. Works with any type or brand of UV dye. Three-way switch for ease of use.

BK **765-3149**

TRACERLINE® FLUORESCENCE-ENHANCING GLASSES

- Yellow lens
- UV Protection

NTE **78-4771**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mastercool® UV ENHANCING SAFETY GLASSES

This is a must have for protection against ultraviolet light during leak detection.

NTE **78-3710**

TRACERLINE® BIGEZ UNIVERSAL A/C DYE CARTRIDGE

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- Fluoresces green
- 8 oz. cartridge services up to 64 vehicles
- Compatible with R-134a, R-1234yf and other refrigerants
- Works with all leak detection flashlights

NTE **78-4757**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE® BIGEZ A/C DYE CARTRIDGE

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- Fluoresces green
- 8 oz. BigEZ universal multi-dose cartridge
- Compatible with R-134a, R-1234yf and other refrigerants
- Works with all leak detection flashlights

NTE **78-4767**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE® A/C FLUORESCENT REFRIGERANT DYE KIT - CARTRIDGES

- R-1234yf / PAG OEM-Grade dye cartridge services up to 14 vehicles
- OEM-Grade
- Clamshell package
- OEM-Grade dye
- Compatible Refrigerant Type: R-1234yf / R-134a
- Container Size: Services Up To 14 Vehicles

NTE **78-4739**

TRACERLINE® A/C FLUORESCENT REFRIGERANT DYE KIT - CARTRIDGES

- Foil pouch packed
- OEM-Grade
- Co-solvent free dye uniquely blended with special additives for hybrid A/C systems
- Packed with desiccant bag
- Compatible Refrigerant Type: R-1234yf / R-134a
- Container Size: Services Up To 3 Vehicles

NTE **78-4740**

TRACERLINE® UV FLUORESCENT A/C DYE – R-1234YF/PAG

Fluoro-Lite® 5 fluorescent leak detection dyes are used in conjunction with Tracerline® violet or UV flashlights to pinpoint leaks in mobile air conditioning and refrigeration systems.

- OEM Grade
- CO-Solvent free
- For R-1234yf systems
- Works with EZ-Shot™ dye injector
- 8 oz. bottle

NTE **78-4785**

TRACERLINE® UV FLUORESCENT A/C DYE – R-134A/PAG BIGEZ™ CARTRIDGE

Fluoro-Lite® 5 fluorescent leak detection dyes are used in conjunction with Tracerline® violet or UV flashlights to pinpoint leaks in mobile air conditioning or refrigeration systems.

- OEM Grade
- CO-Solvent free
- For R-134a systems
- Works with EZ-Shot™ dye injector
- 8 oz. bottle

NTE **78-4786**

TRACERLINE® A/C UNIVERSAL DYE CARTRIDGE

Universal R-134a and R-12 dye is compatible with Tracerline EZ-Ject™/EZ-Shot™, as well as all lubricants, and refrigerants. Also fits Viper Eyes™ Cartridge No. 499005 applications.

NTE **78-4717** 8 fl. oz.

TRACERLINE®

UNIVERSAL A/C DYE CAPSULES

Compatible with R-134a and R-12 A/C systems. Fits all Tracerline EZ-Ject™ Injectors. Fits *NTE* **78-4731** and *NTE* **78-4718**.

NTE **78-4718** Six 1/2 fl. oz

CPS®

PAG 46 CARTRIDGE – R1234YF

Uview's *BKN* **CPC399046YF** is truly a universal A/C oil and is formulated to work as a service oil for all R-1234yf, R-134a and Hybrid applications. Installing oil using a sealed cartridge injection system assures the cleanest and driest oil reaches the A/C system in exactly the correct dosage.

- PAG 46
- Hybrid safe and OEM approved
- 1 fl. oz. cartridge

BKN **CPC399046YF**

UVIEW

UNIVERSAL A/C DYE CARTRIDGE FOR LEAKGUARD SPOTGUN

Universal A/C dye. SAE J2297 certified. Services up to 64 vehicles. OEM approved.

NTE **78-8026**

UVIEW

LEAKGUARD REFILL CARTRIDGES

Seals leaks up to 25 oz. per year. Will not clog A/C systems or RRR equipment. SAE J2970 Certified. Four cartridges.

NTE **78-8023**

UVIEW

LEAKGUARD SPOTGUN CARTRIDGE

Seals leaks up to 25 oz. per year. Will not clog A/C Systems or RRR equipment. SAE J2970 certified. Services up to 8 vehicles.

NTE **78-8025**

ROBINAIR

A/C FLUORESCENT DYE

Dye has up to 64 application uses and is one of the brightest dyes in the industry, helping users find leaks faster. Exceeds all industry performance standards and is OEM backed and approved. Compatible with all materials found in a vehicle's A/C system. Solvent-free formula. For use with *NTE* **78-9701** guns, 8 oz.

NTE **78-9702**

TRACERLINE®

UV FLUORESCENT A/C DYE

Fluoro-Lite® fluorescent leak detection dyes are used in conjunction with Tracerline® violet or UV flashlights to pinpoint leaks in mobile air conditioning and refrigeration systems.

- OEM Grade
- CO-Solvent free
- For R-1234yf Systems
- Works with Refillable Inline Injector and Syringe Injector
- (12) .25 fl. oz. bottles

NTE **78-4793**

TRACERLINE®

A/C LEAK DETECTION DYE

Universal A/C dye finds leaks in A/C systems and is compatible with R-134a, R-1234yf and other refrigerants. It works with all leak detection flashlights as well.

- Services up to 1 vehicle
- Meets SAE J2297

NTE **LF1025**

TRACERLINE®

UV FLUORESCENT A/C DYE

Fluoro-Lite® fluorescent leak detection dyes are used in conjunction with Tracerline® violet or UV flashlights to pinpoint leaks in mobile air conditioning and refrigeration systems.

- OEM Grade
- CO-Solvent free
- For R-1234yf Systems
- Works with Refillable Inline Injector and Syringe Injector
- (6) 1 fl. oz. bottles

NTE **78-4792**

TRACERLINE®

LEAKFINDER UNIVERSAL A/C DYE

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- Fluoresces green
- Compatible with R-134a, R-1234yf and other refrigerants
- Works with all leak detection flashlights

Item No.	Size	Services
NTE **78-4755**	1 oz. bottle	Up to 4 vehicles
NTE **78-4754**	1 oz. bottle, Qty. 6	Up to 24 vehicles
NTE **78-4756**	8 oz. bottle	Up to 32 vehicles

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

A/C Leak Detection Chemicals

TRACERLINE®

LEAKFINDER OIL DYE

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- Fluoresces yellow/green
- Finds leaks in oil, fuel, ATF, & power steering systems
- Works with all leak detection flashlights

Item No.	Size	Services
NTE **78-4759**	1 oz. bottle	Up to 1 vehicle
NTE **78-4758**	1 oz. bottle, Qty. 6	Up to 6 vehicles
NTE **78-4760**	8 oz. bottle	Up to 8 vehicles

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

LEAKFINDER ENGINE COOLANT

Tracerline fluorescent leak detection quickly locates even the smallest and most elusive leaks including intermittent and multiple leaks.

- Fluoresces green
- Finds leaks in radiators, hoses, heater cores, water pumps & fittings
- Works with all leak detection flashlights

Item No.	Size	Services
NTE **78-4762**	1 oz. bottle	Up to 1 vehicle
NTE **78-4761**	1 oz. bottle, Qty. 6	Up to 6 vehicles
NTE **78-4763**	8 oz. bottle	Up to 8 vehicles

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRACERLINE®

HYBRID VEHICLE UNIVERSAL/ESTER A/C OIL + UV DYE

Tracer Products 5 fl. oz. (US) foil pouch contains universal/ester dyed A/C oil for hybrid vehicles and is compatible with R-1234yf and R-134a systems.

- Single-use disposable
- OEM Grade
- CO-Solvent free
- 5 fl. oz. pouch

NTE **78-4790**

TRACERLINE®

UV FLUORESCENT A/C OIL + DYE

Tracer Products 5 fl. oz. (US) foil pouch contains R-1234yf/PAG oil with fluorescent dye.

- Single-use disposable
- OEM Grade
- CO-Solvent free
- 5 fl. oz. pouch

NTE **78-4791**

TRACERLINE®

UV FLUORESCENT A/C DYE - R-134A/PAG

Fluoro-Lite® 5 fluorescent leak detection dyes are used in conjunction with Tracerline® violet or UV flashlights to pinpoint leaks in mobile air conditioning and refrigeration systems.

- OEM Grade
- CO-Solvent free
- For R-134a systems
- Works with refillable inline injector and syringe injector
- 8 oz. Bottle

NTE **78-4784**

COLD POWER

UNIVERSAL A/C UV DYE

Includes 32 applications for R-12 or R-134a with PAG, ester or mineral oil. Measure and pour bottle makes application simple. Meets SAE J2297.

NTE **78-8100** 8 fl. oz.

COLD POWER

MEASURE & POUR OIL/FUEL/TRANSMISSION/ POWER STEERING UV DYE

Contains eight applications of UV dye for engine, transmission, hydraulic or power steering lubricant. May also be used with gasoline and diesel fuels. Measure and pour bottle makes application simple.

NTE **78-8101** 8 fl. oz.

COLD POWER

MEASURE & POUR ENGINE COOLING SYSTEM UV DYE

Contains eight applications of UV Dye for radiator antifreeze/coolant. Measure and pour bottle makes application simple.

NTE **78-8102** 8 fl. oz.

COLD POWER

DEX-COOL® ENGINE COOLING SYSTEM UV DYE

Approved for use in GM 1996-Up vehicles only. Works only with Dex-Cool® type engine coolants.

NTE **78-8103** Measure & Pour, 8 fl. oz. (8 Applications)

TRACERLINE®

LEAK DETECTION DYE

Patented dye for all oil-based fluids, including gasoline/diesel fuel, power steering and automatic transmission fluid, engine oil (including synthetics), and petroleum-based hydraulics. Fluoresces yellow-green under both ultraviolet and blue light.

NTE **78-4700** 1 fl. oz. (Pack/6)
NTE **78-4701** 8 fl. oz.

TRACERLINE®

WATER-BASED COOLANT LEAK DETECTION DYE

Specifically formulated for engine coolant and auto body leak checks. Works with any leak inspection lamp.

NTE **78-4702** 1 fl. oz. (Pack/6)
NTE **78-4703** 8 fl. oz.

TRACERLINE®

WATER-BASED EXTENDED-LIFE COOLANT LEAK DETECTION DYE

Blended leak detection dye will not discolor coolant, preventing mis-diagnosis of engine problems. For use in all engine coolants and works with any leak detection inspection lamp.

NTE **78-4704** 1 fl. oz. (Pack/6)

TRACERLINE®

A/C LEAK DETECTION DYE

Universal R-134a/R-12 leak detection dye for PAG, mineral oil, and Ester A/C systems.

NTE **78-4719** 1 fl. oz. (Pack/6)
NTE **78-4720** 8 fl. oz.

Mastercool®

UV DYE REMOVER

Removes all traces of dye from work area so repairs can be verified.

NTE **78-3715** 4 fl. oz.

TRACERLINE®

HYBRID VEHICLE UNIVERSAL/ESTER A/C OIL – R-1234YF/R-134A

Tracer Products 5 fl. oz. (US) foil pouch contains universal/ester A/C oil for hybrid vehicles and is compatible with R-1234yf and R-134a systems.
Single-use disposable
- OEM Grade
- CO-Solvent free
- 5 fl. oz. pouch

NTE **78-4787**

TRACERLINE®

R-1234YF/PAG A/C OIL

Tracer Products 5 fl. oz. (US) foil pouch contains R-1234yf/PAG oil that is specifically developed for R-1234yf A/C systems.
Single-use disposable
- OEM Grade
- CO-Solvent free
- 5 fl. oz. pouch

NTE **78-4788**

Mastercool®

PAG 46 COMPRESSOR OIL

Mastercool PAG 46 oil provides maximum protection with excellent thermal and oxidative stability. Professional installer preferred.
- OEM approved
- Moisture tolerant
- Maximum protection
- 32 fl. Oz.

NTE **78-3890**

Mastercool®

R1234YF MOBILE AIR CONDITIONING COMPRESSOR LUBRICANT

ZEROL® HD46 is a fully formulated ISO VG46 grade polyalkylene glycol lubricant designed specifically for application with HFO refrigerant R1234yf in mobile air conditioning (MAC) systems. The product is a double end-capped PAG, and is manufactured to exacting standards of high double endcapping efficiency. ZEROL HD46 is suitable for use in both belt and electrically driven compressors utilizing R1234yf, and is also fully suitable for use in R134a belt-driven and electric MAC compressors. Formulating expertise, ZEROL HD46 series contain optimized additive technology to provide additional corrosion protection within the a/c system, to further enhance the extreme pressure and anti-wear performance of the PAG, and to maximize fluid lifetime by ensuring against thermal or oxidative deterioration of the lubricant.
- Optimized miscibility in HFO refrigerant R1234yf
- Superior lubricity compared to alternative lubricant types
- Exceptional viscosity index @ 40°C (cSt): 42.0 – 48.0
- Excellent electrical resistivity properties for electrically driven systems
- Low hygroscopicity (tendency to absorb moisture) compared to alternative PAG products with lower di-capping content

Item No.	Description
NTE **78-3891**	8 fl. oz.
NTE **78-3892**	32 oz.

A/C R-134A 1ST CHARGE WITH ICE® 32

When refrigerant is added to any empty system it engages the compressor. The lubricant in the compressor must travel through the condenser, drier and evaporator before returning to the compressor. This time lapse may cause the compressor to fail from oil starvation. Instantly lubricates new compressors and absorbs moisture to help prevent corrosion of system components.

BK **765-3507** 12.5 oz.
BK **765-3507CA** Approved for California

R-134A HYBRID A/C COMPRESSOR REFRIGERANT OIL

High-performance lubricant is specially-formulated for electric hybrid air conditioning compressors. The dielectric formula keeps voltage from leaking into compressor case through oil. Provides superior lubricity and protection against compressor wear. Compatible with Honda 38899RCJO1 and Toyota ND-11 factory lubricants.

BK **765-3513** Pourable, 7 oz.

BK **765-3513**

BK **765-3508**

BK **765-3509**

BK **765-3510**

BK **765-3511**

ESTER & PAG R-134A REFRIGERANT LUBRICANTS WITH ICE® 32

Air conditioning R-134a system oils with lubricant enhancer.

Item No.	Description
BK **765-3508**	PAG 46, Low Viscosity (8 oz.)
NCB **P-46QT**	PAG 46, Low Viscosity (1 qt.)
BK **765-3509**	PAG 100, Medium Viscosity (8 oz.)
NCB **P-100QT**	PAG 100, Medium Viscosity (1 qt.)
BK **765-3510**	Ester 100 Medium Viscosity (8 oz.)
NCB **E-100QT**	Ester 100, Medium Viscosity (1 qt.)
BK **765-3511**	PAG 150, High Viscosity (8 oz.)
NCB **P-150QT**	PAG 150, High Viscosity (1 qt.)

A/C PRO R-134A PAG 46 OIL CHARGE W/ICE 32™ PERFORMANCE ENHANCER

Low-viscosity (ISO 46) PAG oil charge for R-134a systems. Features Ice 32™ lubricant enhancer, which helps extend compressor life and improve cooling capacity. Meets O.E.M. specifications.

BK **765-3138** 3 oz.

A/C PRO R-134A PAG 100 OIL CHARGE W/ICE 32™ PERFORMANCE ENHANCER

Medium-viscosity (100 ISO) oil for R-134a for all systems.

BK **765-3139** 3oz.

A/C PRO R-134A PAG 150 OIL CHARGE W/ICE 32™ PERFORMANCE ENHANCER

High-viscosity (ISO 150) oil for R-134a O.E.M. systems. For use in 2003-Up Chrysler, Ford and GM, as well as most foreign cars.

BK **765-3140** 3oz.

A/C PRO R-134A ESTER OIL CHARGE W/O-RING CONDITIONER W/ICE 32™ PERFORMANCE ENHANCER

Helps quiet noisy compressors in all R-134a systems.

BK **765-3142** 3oz.

NAPA® A/C R-134A PAG 100 OIL W/UV DYE

ISO 100 viscosity premium synthetic PAG oil for any R-134a PAG system. Includes UV dye for locating those hard-to-find leaks.

BK **765-6024** 8 fl. oz.

NAPA® A/C R-134A PAG 150 OIL W/UV DYE

ISO 150 viscosity premium synthetic PAG oil. Includes UV dye for locating those hard-to-find leaks. Meets GM Specification 9988572 for R-134a air conditioners.

BK **765-6026** 8 fl. oz.

NAPA® A/C PAG 46 OIL W/UV DYE

ISO 46 viscosity premium synthetic PAG oil. Includes UV dye for locating those hard-to-find leaks. For most non-GM applications with R-134a air conditioners. Meets SAE J2297. 8 oz.

BK **765-6027** 8 fl. oz.

NAPA® A/C R-134A 5-SHOT UV DYE

Easiest way to add UV dye to an A/C system. Patented push-button, quick-connect hose is vacuumed to prevent air from entering A/C system. Hold button for three seconds to inject a single application of UV dye. Contains five applications. Meets SAE J2297.

BK **765-6002** 2.1 oz.

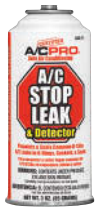
NAPA® A/C UV DYE CLEANER

Spray away UV dye residuals with easy-to-use, directional hose for hard-to-reach areas.

BK **765-6005** 8 oz.

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

NAPA® A/C R-134A STOP LEAK



PAG oil and R-134a refrigerant, plus leak finder and O-ring conditioner to prevent leakage and improve durability. A red dye is included to mark larger leaks that may need manual repair.

BK **765-2978** 4 oz.

AVALANCHE A/C R-134A REFRIGERANT WITH PUSH BUTTON DISPENSER

Avalanche refrigerant formula improves the A/C cooling capabilities and provides better heat exchange by forming a protective film to decrease friction, reduce engine drag, prevent oxidation and sludge formation and extend the compressor life.

NCB **AVL101CA**

- Smart can logo turns blue to show that refrigerant is flowing from the can into the A/C system
- Disposable push button hose with self-sealing valve
- One-time use
- Not for use on hybrid/electric vehicles with non-belt driven compressor
- Smart clip technology vent clips change to blue and green to show correct refrigerant charge and to prevent overcharging
- System safe chemical additive stops leaks in O-rings and other rubber components where most common leaks begin
- 10 oz.

Item No.	Description
NCB **AVL101**	10 oz.
NCB **AVL101CA**	10 oz., Approved for California

AVALANCHE A/C R-134A REFRIGERANT WITH REUSABLE HOSE

Avalanche refrigerant formula improves the A/C cooling capabilities and provides better heat exchange by forming a protective film to decrease friction, reduce engine drag, prevent oxidation and sludge formation and extend the compressor life.

NCB **AVL132CA**

- Smart can logo turns blue to show that refrigerant is flowing from the can into the A/C system
- Re-usable recharge hose
- Not for use on hybrid/electric vehicles with non-belt driven compressor
- Smart clip technology vent clips change to blue and green to show correct refrigerant charge and to prevent overcharging
- System safe chemical additive stops leaks in O-rings and other rubber components where most common leaks begin.

Item No.	Description
NCB **AVL132**	18 oz.
NCB **AVL132CA**	18 oz., Approved for California

A/C PRO VENT & DUCT CLEANER

A/C Pro Vent & Duct Cleaner helps eliminate malodor caused by mold and mildew, stale air and smoke. Cleans by removing light dirt in ductwork and dust that its on vent surfaces.

- Formulated for automotive HVAC systems
- Trets vents, ductwork, evaporator core and drain pan area
- 10 oz.

NCB **17900**

A/C EVAPORATOR ODOR ELIMINATOR

Long-lasting formula eliminates odors caused by bacteria, mold and mildew in air conditioning systems. Direct extension tube applicator allows treatment to be applied at its source in vents, ductwork, evaporator core and drain pan area. Biodegradable and safe for use in all A/C systems.

BK **765-3141** 8 oz.

NAPA® R-134A HIGH-MILEAGE REFRIGERANT

Includes Stop Leak. Rejuvenates worn A/C parts. Quiets noisy compressors. Extends life of compressor. Protects against future wear.

BK **765-2763** 13 oz.

A/C PRO PROFESSIONAL FORMULA REFRIGERANT

Replaces lost refrigerant to AC systems and cools interior faster with colder, drier air. Seals AC system leaks and protects and extends AC life.

Part No.	Description
NCB **ACP-100**	20 oz. can with reusable hose and gauge
NCB **ACP-100CA***	20 oz. can with reusable hose and gauge
NCB **ACP-102**	12 oz. can
NCB **ACP-102CA***	12 oz. can

***Meets CA requirements**

INDEX

A/C Chemicals & A/C Service Tools

AVALANCHE A/C R-134A REFRIGERANT WITH GAUGE

Avalanche refrigerant formula improves the A/C cooling capabilities and provides better heat exchange by forming a protective film to decrease friction, reduce engine drag, prevent oxidation and sludge formation and extend the compressor life.

- Smart can logo turns blue to show that refrigerant is flowing from the can into the A/C system
- Refill can for use with ½ in. Acme threaded recharge hose
- System safe chemical additive stops leaks in O-rings and other rubber components where most common leaks begin
- Not for use on hybrid/electric vehicles with non-belt driven compressor
- 18 oz.

NCB **AVL101CA**

Item No.	Description
NCB **AVL345**	18 oz. with hose and gauge
NCB **AVL345CA**	18 oz. with hose and gauge, approved for California

A/C PRO AEROSOL CLEAN & FLUSH

Fast-drying solution safely removes old oil and contaminants from A/C systems. Disposable dispensing hose included. Biodegradable and environmentally friendly. For use on R-134a and R-12 systems.

BK **765-3135** 17 oz.

A/C PRO R-134A RECHARGE HOSE ADAPTER

Connects standard, piercing-style recharge hoses to self-sealing cans (California approved can).

NOTE: Not for use with cans that require piercing.

BK **765-3152**

UVIEW™ MIST™ VENTILATION SYSTEM CLEANING KIT

This in-car air quality service controls the mold, mildew and bacteria that breed in vehicle ventilation systems. Mist™ technology penetrates and treats the entire ventilation system. Restores interior air quality by reducing harmful airborne microbes and eliminating offensive odors. Kit includes Cleaning Unit, 24 bottles of Cleaning Solution and P.O.P Kit.

NTE **78-8002** Cleaning Unit Only

NTE **78-8013** Extension Cord Battery Adapter, 12-Volt

UNIVERSAL A/C HYDRAULIC FLARING TOOL SET

Fabricates push-connect fittings (1/4", 5/16", 3/8"), GM fuel line flare, brake lines, transmission lines (5/16", 3/8"), flare/double flare (3/16", 1/4", 5/16", 3/8", 1/2"), and metric bubble flare (4.75mm, 5mm, 8mm, 10mm). Custom-molded case and quick start reference guide included. For 37 degree capability kit # 71480 required.

NTE **78-3200**

Item No.	Description
NTE **78-3316**	Adapter, 3/16" Flaring Tool

⚠ **WARNING: (*NTE* 78-3200) Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

UNIVERSAL HYDRAULIC FLARING AIR CONDITIONING TOOL SET

This kit fabricates: Push connect 1/4", 5/16" and 3/8" GM fuel line flare, brake lines and transmission 5/16" and 3/8" flare/double flare 3/16", 1/4", 5/16", 3/8" and 1/2" metric bubble flare 4.75, 6, 8, and 10 mm, GM transmission cooling line 3/8" and 1/2"

- Improved hydraulics
- Magnetic adapter holder keeps adapters in place
- Tube and die set stabilizing arm for easy tube forming
- Enlarged die set compression area for better grip of dies

NTE **78-3893**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

HYDRA-KRIMP™ A/C HOSE FABRICATOR KIT

Patented tool makes crimping barbed and beaded fittings as easy as 1-2-3. Lightweight, handheld hydraulic press is portable, and ideal for shop or field applications. Includes complete set of dies for #6, #8, #10 and #12. Dies snap quickly into press fixture — no pins or screws required. Custom-molded case and quick start reference guide included. Die sizes Include: #6 (5/16"), #8 (13/32" RB), #8 (13/32"), #10 (1/2"), #12 (5/8"), #6 (5/16" RB), #10 (1/2" RB) and #12 (5/8" RB).

NTE **78-3201**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

MANUAL A/C HOSE CRIMPER

Dies snap quickly into place requiring no pins or screws. The unit can be easily mounted to a bench using the holding fixture or held securely in a vise. Kit comes with a complete set of dies covering standard hose sizes #6, #8, #10, and #12. Kit comes in a custom molded carrying case.

NTE **78-3202**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

12 PC. COMPRESSOR CLUTCH & SEAL SERVICE KIT

Includes tools needed to replace seals on GM compressors from the early 1960s through current model year as well as Tecumseh HR-980. Comes in sturdy molded carrying case.

NTE **78-1300**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

6 PC. SPECIAL GM DA6 SEAL SERVICE KIT

For carbon type seals, for use with tools from seal service kit *NTE* **78-1300**. Contains seal remover & installer, O-ring & snap-ring installer, metric clutch plate remover and installers, shaft protector, and O-ring installation guide. Comes in sturdy molded carrying case.

NTE **78-1301**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

5 PC. SEAL SERVICE KIT

All specialized tools needed when replacing seals on these compressors: Ford FS6; Nippondenso 6P 148A; Tecumseh HR-980. 5-piece kit housed in a sturdy molded carrying case.

NTE **78-1302**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

4 PC. FORD FX-15/FS-10 SEAL SERVICE KIT

4 Piece kit includes all special tools needed to replace the seals on FX-15/FS-10 compressors. Comes in custom molded case.

NTE **78-1303**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

33 PC. MASTER SEAL SERVICE TOOL KIT

33 Piece kit includes all tools needed to service seals on all popular automotive A/C compressors. Comes in sturdy molded case.

NTE **78-1304**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

9 PC. DELUXE CLUTCH/HUB PULLER/INSTALLER KIT

Kit contains a complete offering of A/C compressor clutch hub pullers and installers for GM, Ford, Chrysler, and imports. 9-piece kit comes in a sturdy molded case.

NTE **78-1306**

⚠ **WARNING: Cancer and Reproductive harm – www.P65warnings.ca.gov.**

COLD POWER

6 PC. DELUXE ORIFICE TUBE SERVICE KIT

Universal kit will remove and install any style orifice tube. Comes in a custom molded case.

NTE **78-1309**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mastercool

GM CERAMIC SEAL SEAT REMOVER

NTE **78-3203**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mastercool

SANKYO CLUTCH PLATE PULLER

NTE **78-3204**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TUBE CUTTERS & TOOLS

Mastercool® Tube Cutters are lightweight yet durable. Carbide steel cutting wheels work with hard and soft copper, aluminum, brass, thin wall steel and stainless steel. All cutters feature rollers with flare cut-off grooves to salvage as much old tubing material as possible.

Mastercool

RATCHET-STYLE TUBE CUTTER

When you don't have swing room, ratchet action allows cutting all the way around the tubing. O.D.: 1/4" to 7/8".

NTE **78-3001**

Mastercool

HEAVY-DUTY TUBING CUTTER

O.D.: 1/8"-1 1/8".

NTE **78-3121**

A/C Service Tools

Mastercool

MINI TUBING CUTTER

O.D.: 1/8"-5/8" (1/8"-1/2" nominal).

NTE **78-3120**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mastercool

GM/FORD ORIFICE TUBE REMOVER/ INSTALLER

Used on all GM (CCOT) and Ford (FOTCC) systems with evaporator inlet orifice tubes.

NTE **78-3205**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mastercool

GM/FORD SCREEN EXTRACTOR

Used with *NTE* **78-3205**.

NTE **78-3206**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

COLD POWER

COMPRESSOR TURNER TOOL

Compressor manufacturers recommend turning the clutch prior to initial startup of a new compressor. This spreads lubricant that may have settled over time, and helps prevent potential compressor damage at startup.

- Threads into the clutch hub
- Fits all hex-less compressors, including R, H, and V series
- Uses a standard 19mm (3/4") wrench
- Slip proof and offers greater leverage than a spanner

NTE **78-7300**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

CARLYLE TOOLS by NAPA

A/C CLUTCH PLATE REMOVER & INSTALLER

Removes and installs clutches on air conditioning compressors and allows user to remove clutch plate without removing retaining ring. For use on A-6 and R-4 compressors. Not for metric threads.

SER **2416**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

OTC

A/C CLUTCH PULLEY PULLER SET

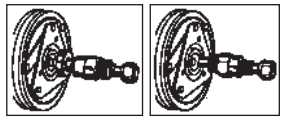
For removal of stubborn air-conditioning clutch pulleys. Can also be used on many alternator, generator, power steering and crankshaft pulleys, harmonic balancers, and fiber timing gears. Set includes drop-forged components: one live center forcing screw, crossbar with three spread settings, two pair of jaws, clamp bolt and case.

Specifications

Cross Bar Length: 5 1/2"
Puller Reach: 1" – 5"
Puller Spread Range: 3" – 5"
Puller Center Screw Size: 3/4"-16 x 5"

NTE **78-9104**

CARLYLE TOOLS by NAPA



GM CLUTCH PLATE REMOVER & INSTALLER

For GM DAG and V5 Compressor Clutches

Remove and install clutches on GM air conditioning DA6 and V5 compressor clutches without removing retaining ring. Install clutch plate with compressor on car. Metric threads.

CAUTION: For intended use only.

SER **3340**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mastercool

UNIVERSAL PULLEY PULLER SET

Two-Jaw puller. Reach: 2.25". (102mm); Spread: 1/2"-8" (13-203mm).

NTE **78-3812**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

COLD POWER

TRI-TIP UNIVERSAL CLUTCH HOLDING TOOL

NTE **78-1310**

EVERCRAFT

A/C CLUTCH HOLDING TOOL

A/C tool holds compressor clutch in place when removing holding bolt. Adjust pins to fit holes in clutch. Prevents clutch plate from turning when moving the shaft nut. Designed for GM R-4 compressors, but will fit other GM, Pitts, Warner and Ogura clutches.

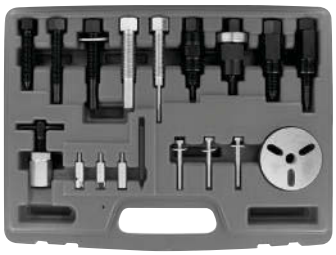
BK **776-8070**

EVERCRAFT

A/C CLUTCH TOOL KIT

A/C clutch tool kit is for removal and installation of A/C compressor clutches for Ford, Chrysler and GM vehicles. Comes in a sturdy molded plastic storage carry case.

BK **776-8076**



COLD POWER

GM CLUTCH PLATE REMOVER/INSTALLER

Tools remove and install clutches on GM A/C compressors. Removes clutch plate without removing retaining ring and install clutch plate with compressor on car. Use on all A-6 and pre-1980 R-4 compressors. Tool will not work on metric threads.

NTE **78-1308**

COLD POWER

SAE CLUTCH PLATE REMOVER & INSTALLER

Fits Chrysler A590, C171, and Ford FS-6 compressors.

NTE **78-1317**

Mastercool

CLUTCH PLATE INSTALLER

Fits Nippondenso compressors 10P/10PA/6P148/Ford FS-6.

NTE **78-3208**

Mastercool

CLUTCH PLATE INSTALLER

Fits GM DA6 compressors.

NTE **78-3209**

Mastercool

GM CLUTCH REMOVER/INSTALLER

Clutch Hub Removal and Installation tool Kit for DA6, HD6, HR6, V5, and HT6 Compressors. Metric Fine Thread. 2 pc. Set.

NTE **78-3213**

Mastercool

CLUTCH PLATE INSTALLER

Fits GM A6, and R4 compressors. SAE, Coarse Thread.

NTE **78-3218**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

Mastercool

CLUTCH PLATE REMOVER

Fits Nippondenso 10P, 10PA, and 6P148 compressors.

NTE **78-3207**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

Mastercool

CLUTCH HUB REMOVER

Fits GM R4 compressors SAE, Coarse Thread-Concave.

NTE **78-3214**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

Mastercool

CLUTCH PLATE REMOVER

Fits GM R4 compressors. SAE, Coarse Thread-Pointed.

NTE **78-3215**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

Mastercool

CLUTCH PLATE REMOVER

Fits GM DA6, HR, HD, R4, V5, and HT6 compressors. Metric, Fine Thread.

NTE **78-3216**

APPLICATIONS

Tool Description	Item No.
Harrison A6 Compressors	
Hub and Plate Remover	*NTE* **78-3215**
Hub Installer	*NTE* **78-3218**
Shaft Seal Remover & Installer - Ceramic	*NTE* **78-3203**
Harrison R4 Compressors	
Hub and Plate Remover/Pointed/SAE/Coarse Thread	*NTE* **78-3215**
Hub and Plate Remover/Concave/SAE/Coarse Thread	*NTE* **78-3214**
Hub and Plate Remover/Concave/Metric/Fine Thread	*NTE* **78-3216**
Hub and Plate Installer/Concave/SAE/Fine Thread	*NTE* **78-3218**
Seal Seat Remover and Installer	*NTE* **78-3203**
Harrison H V-5 Series Compressors	
Hub and Plate Remover/Installer Kit	*NTE* **78-3213**
Remover Only	*NTE* **78-3216**
Installer Only	*NTE* **78-3209**
Pulley Puller - Universal	*NTE* **78-3812**
Shaft Seal Remover/Installer	*NTE* **78-3203**
Sanden/Sankyo/Diesel Kiki Compressors	
Hub and Plate Remover/Installer Kit	*NTE* **78-3204**
Chrysler/Jeep	
Hub and Plate Remover - C171, A590	*NTE* **78-1317**
Hub and Plate Installer - C171, A590	*NTE* **78-3208**
Clutch Hub Remover - Sanden	*NTE* **78-3204**
Hub and Plate Remover for 10PA, 10P, and 6P 148	*NTE* **78-3207**
Hub and Plate Installer for 10PA, 10P, and 6P 148	*NTE* **78-3208**
Ford	
Hub Remover for FX15, FS10, and FS-6	*NTE* **78-1317**
Hub Installer for FX15, FS10, and FS-6	*NTE* **78-3208**
Hub and Plate Remover - 6P 148	*NTE* **78-3207**
Hub and Plate Installer - 6P 148	*NTE* **78-3208**
FX15, FS10 Shaft Seal Kit	*NTE* **78-1303**
Nipponedenso	
Hub and Plate Remover for 10PA, 10P, and 6P 148	*NTE* **78-3207**
Hub and Plate Installer for 10PA, 10P, and 6P 148	*NTE* **78-3208**
Master Service Kits	
33 Pc. Master Seal Service Tool Kit	*NTE* **78-1304**
22 Pc. Master Clutch Service Tool Kit	*NTE* **78-1305**
9 Pc. Deluxe Clutch/Hub Puller/Installer Kit	*NTE* **78-1306**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

INDEX

A/C Service Tools

S.U.R.&R. Vehicle Fluid Line Repair Solutions

A/C LINE REPAIR KITS

- Make instant repairs to A/C lines on hundreds of vehicles
- Safe up to 600 PSI
- Conforms to SAE J2064 Specifications
- No specialty tools required
- Assemble by hand

SER **AC1387**

SER **AC40**

SER **AC50M**

SER **AC80**

SER **AC90M**

Chart Key

- SER **AC1387** Kit Contents
- SER **AC40** Kit Contents
- SER **AC50M** Kit Contents
- SER **AC80** Kit Contents
- SER **AC90M** Kit Contents

Item No.	Line Size	Description	Kit Qty.	Kit Qty.	Kit Qty.	Kit Qty.	Kit Qty.
Compression Block Offs							
SER **AC516CB**	5/16"	Compression Block Off					
SER **AC38CB**	3/8"	Compression Block Off				1	
SER **AC12CB**	1/2"	Compression Block Off				1	
SER **AC58CB**	5/8"	Compression Block Off				1	
SER **AC34CB**	3/4"	Compression Block Off				1	
SER **AC8MCB**	8mm	Compression Block Off					1
SER **AC10MCB**	10mm	Compression Block Off					1
SER **AC12MCB**	12mm	Compression Block Off					1
SER **AC15MCB**	15mm	Compression Block Off					1
SER **AC16MCB**	16mm	Compression Block Off					1
SER **AC19MCB**	19mm	Compression Block Off					1
Compression Unions							
SER **AC516**	5/16"	Compression Union		1			
SER **AC38**	3/8"	Compression Union	1	1			
SER **AC12**	1/2"	Compression Union	1	1			
SER **AC58**	5/8"	Compression Union	1	1			
SER **AC34**	3/4"	Compression Union	1	1			
SER **AC8M**	8mm	Compression Union			1		
SER **AC10M**	10mm	Compression Union			1		
SER **AC12M**	12mm	Compression Union			1		
SER **AC15M**	15mm	Compression Union			1		
SER **AC16M**	16mm	Compression Union			1		
SER **AC19M**	19mm	Compression Union			1		
Hose To Compression Union Adapters							
SER **AC16516**	5/16"	#6 Hose To 5/16"					
SER **AC1638**	3/8"	#6 Hose To 3/8"	2				
SER **AC1812**	1/2"	#8 Hose To 1/2"	2				
SER **AC11058**	5/8"	#10 Hose To 5/8"	2				
SER **AC11234**	3/4"	#12 Hose To 3/4"	2				
SER **AC168M**	8mm	#6 Hose to 8 mm					
SER **AC1610M**	10mm	#6 Hose to 10 mm					
SER **AC1812M**	12mm	#8 Hose to 12 mm					
SER **AC11015M**	15mm	#10 Hose to 15 mm					
SER **AC11016M**	16mm	#10 Hose to 16 mm					
SER **AC11219M**	19mm	#12 Hose to 19 mm					
SER **AC26516**	5/16"	#6 Hose to 90° 5/16"					
SER **AC2638**	3/8"	#6 Hose to 90° 3/8"	1				
SER **AC2812**	1/2"	#8 Hose to 90° 1/2"	1				
SER **AC21058**	5/8"	#10 Hose to 90° 5/8"	1				
SER **AC21234**	3/4"	#12 Hose to 90° 3/4"	1				

Item No.	Line Size	Description	Kit Qty.	Kit Qty.	Kit Qty.	Kit Qty.	Kit Qty.
Line Reducers							
SER **AC1612**	1/2"	#6 Hose to 1/2"					
SER **AC1858**	5/8"	#8 Hose to 5/8"					
SER **AC11034**	3/4"	#10 Hose to 3/4"					
Inline Service Ports							
SER **AC412L**	1/2"	Low Side Service Port					
SER **AC458L**	5/8"	Low Side Service Port					
SER **AC438H**	3/8"	High Side Service Port					
SER **AC412H**	1/2"	High Side Service Port					
Hose							
SER **AC6H**	#6	#6 A/C Hose – 5/16", 8mm, 10'	5'				
SER **AC6H25**	#6	#6 A/C Hose – 5/16", 8mm, 25'					
SER **AC8H**	#8	#8 A/C Hose – 13/32", 10mm, 10'	5'				
SER **AC8H25**	#8	#8 A/C Hose – 13/32", 10mm, 25'					
SER **AC10H**	#10	#10 AC/Hose – 1/2", 13mm, 10'	5'				
SER **AC10H25**	#10	#10 AC/Hose – 1/2", 13mm, 25'					
SER **AC12H**	#12	#12 A/C Hose – 5/8", 16mm, 10'	5'				
SER **AC12H25**	#12	#12 A/C Hose – 5/8", 16mm, 25'					
Clamps Sets							
SER **AC6806**	#6	#6 Clamps Set – Blue Tab	5				
SER **AC6808**	#8	#8 Clamps Set – Yellow Tab	5				
SER **AC6810**	#10	#10 Clamps Set – Green Tab	5				
SER **AC6812**	#12	#12 Clamps Set – Red Tab	5				
Hose Splicers							
SER **AC370606**	#6	#6 Hose to #6 Hose	1				
SER **AC370808**	#8	#8 Hose to #8 Hose	1				
SER **AC371010**	#10	#10 Hose to #10 Hose	1				
SER **AC371212**	#12	#12 Hose to #12 Hose	1				
Tools							
SER **CP360**	Up to 1" O.D.	360° Seal Clamp Pliers	1				
SER **TC35**	Up to 11/4" O.D.	Tube & Hose Cutter	1				

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Coolant Exchangers 504
Coolant Flush & Refilling Guns 505
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Heater Line Repair 517
Hose Pinchers 514-515

MAHLE

FluidPRO® MCX-2 SERIES MULTI-COOLANT SYSTEM FLUID EXCHANGERS

Provides simple, rapid switching from one coolant type to another.

- Compatible with all coolant types
- Visible fluid level indicators
- Automatic pump shut-off
- Drip-proof tank connectors
- 3-Minute service times
- 7.5 gal. new coolant tank (MCX)
- 15 gal. new coolant tank (MCX-2HD)
- 15 gal. waste coolant tank
- 92-98% single pass, average exchange for most vehicles

Specifications

Adapters ..... Step Adapters: Universal; 2 sets; 1¼ in. to 1¾ in. range (3.2 cm to 4.4 cm) diameter
.....(MCX-2HD contains additional step adapters)
..... Hose Adapters: Universal; 2 hoses, 1¼ in. to 1⅜ in. (3.2 cm to 3.5 cm) and 1½ in. to 1¾ in.
..... (3.8 cm to 4.4 cm) diameter (MCX-2HD contains additional adapter hoses)
Controls.....Rocker switches
Coolant Exchange .....92 to 98% single pass, average exchange for most vehicles
Dimensions (H x W x D).....45 in. x 38 in. x 22.5 in. (114 cm x 97 cm x 57 cm)
Fluid Tanks / Types.....New Coolant Tank (2): 7.5 gal (28 liter); integrated output tube w/
.....debris filter screen and check valve; MCX- 2HD contains two 15 gal (57 liter) tanks
..... Waste Coolant Tank: 15 gal (57 liter); integrated input/output tube; w/ automatic empty fluid level sensor
Hoses.....⅜ in (9.5mm); quick connect/disconnect (brass; chrome sleeve; silicone sealed)
Operating Range ..... 32° to 122°F (0° to 50°C)
Power Source .....12 VDC - 15 Amp
Pressure Switch.....6 to 12 psi (0.4 to 0.8 bar); protects vehicle cooling systems from high pressure
Process Time..... Less than 3 minutes average full exchange
Pumps.....2 gal. (7.9 liter) per minute Fill: Diaphragm Type / Drain: Impeller Type
Warranty.....1 Year–parts and labor
Weight ..... 170 lb. (77 kg)

Item No.	Description
RTI **4708003000**	MCX-2 Multi-Coolant Exchanger (Includes system pressure test feature and "hot car" radiator cap pressure release)
RTI **4708003100**	MCX-2F Multi-Coolant Exchanger (Includes flush bypass loop and flow indicator)
RTI **4708003200**	MCX-2HD Multi-Coolant Exchanger (Includes larger capacity fill tanks to MCX-2 plus larger step adapters)
RTI **3708001900**	MCX Accessory Kit (Includes hoses, step adapters, hose clamps and wand)

FluidPRO® VCX SERIES VACUUM COOLANT EXCHANGERS

Maximize Productivity

The choice for rapid coolant exchange. The simple, versatile design of the FluidPRO® VCX Series means better performance in high-demand coolant exchange applications.

The VCX Series Models Offer

- Extremely fast service cycles
- Simple hook-up and operation
- Flexible adaptation for most makes and models
- Superior exchange efficiency
- Robust design and construction
- Impressive visual appeal to help sell the service
- Control panel with easily adjustable process valves
- No-leak end cap design
- Large capacity coolant cylinder assemblies- 20 quarts each
- Easy coolant selection/changeover
- Service times 5-15 minutes
- Perfect for quick lube/oil change shops

Specifications

Adapters.....2 Cone plugs; 8 in. (20 cm) hose adapter
Controls..... Ball valves w/ color-match system
Coolant Cylinders..... 20 quart (18.9 liter) each
Dimensions (H x W x D)
.....VCX-1 63 in. x 28 in. x 22.5 in. (160 cm x 71 cm x 57 cm)
..... VCX-4 63 in. x 28 in. x 29 in. (160 cm x 71 cm x 74 cm)
Fluid Tanks / Types.....Any coolant type (Fast easy changeover)
Hoses.....Clear, wire reinforced 10 ft. (3m)
New Fluid Pump.....Venturi vacuum generator;
..... 28 in Hg (0.95 bar) maximum
Power Source .....Shop air, 55 to 110 psi (3.8 to 7.6 bar)
Process Time.....5 to 15 minutes average
Warranty.....1 Year–parts & labor
Weight .....VCX-1: 166 lb. (75 kg) / VCX-4: 200 lb. (91 kg)

Item No.	Size
RTI **4708001900**	VCX-1 (Two cylinder, one waste, one new)
RTI **4708002000**	VCX-4 (Four cylinder, one waste, three new)

Coolant Flush & Refilling Guns, Coolant System Testers

CARLYLE TOOLS by NAPA

COOLING SYSTEM POWER FLUSH GUN

- Connect garden hose and compressed air to power flush cooling systems
- Air-control trigger
- Water flow control tap
- Quick coupler water hose fittings included
- Stepped fitting suits hoses from ¾" to 2"

SER **70801**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

COOLING SYSTEM REFILLING GUN

- Eliminates air locks in cooling systems
- Unique multi-fit cone
- No interchanging hoses
- Locking air supply trigger
- Universal attachment to radiator or header tanks for passenger cars or commercial vehicles

SER **70880**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

Mastercool® "World Class Quality"

AIRLIFT II (HEAVY-DUTY) COOLANT REFILLING SYSTEM

Award winning Airlift system for the HD market. Removes airlocks in HD cooling systems associated with trucks and buses. Unit creates a vacuum in the coolant system, refilling the entire system in seconds, including the heater core. Eliminates the time consuming process of refilling and bleeding cooling systems. It checks for leaks while under vacuum. Versatile cone adapter fits most systems. OEM approved by International Truck. It has extra long refill hose. 90° angled gauge accommodates to fit tight applications.

Contents: Unit, Gauge, Valve, Hose, Adapter and Case.

SER **77-1301**

Mastercool® "World Class Quality"

AIRLIFT COOLANT REFILLING SYSTEM

Eliminates airlocks in vehicle cooling systems and refills in seconds. OEM approved. Refills the entire cooling system including the heater core. Eliminate time consuming, bleeding and purging. Check for leaks while under vacuum.

Contents: Unit, Cone, Valve, Adapters, Hose and Case.

SER **77-1300**

mityvac

COOLING SYSTEM TEST & REFILL KIT

The first, and only, tester developed specifically to run complete cooling system diagnostics with the engine running at normal operating temperature and pressure. Patent-pending technology combines testing, monitoring of pressure, vacuum, and temperature simultaneously, providing real-time data far beyond the capabilities of a simple pressure tester. Tests cooling system with engine on or off to pinpoint leaks or diagnose blown head gaskets, cracked blocks, or damaged cylinder heads. Refills cooling system in minutes, without trapping air, which can cause overheating. Checks proper function of thermostat, cooling sensor, and fans. Can also test cooling system cap pressure (additional adapters required). Components feature self-locking quick-disconnects for easy, time-saving assembly. Safety valves prevent discharge of pressure and/or hot fluid in the case of accidental disconnect. Built-in valve allows rapid, safe release of pressure and fluid without waiting for the system to cool. Includes four adapters for connecting to the most common radiator and coolant bottle necks found on Domestic, Asian, and European automobiles. Packaged in custom-molded case with space for additional adapter.

Specifications

Packaged Weight: ..... 10.3 lbs. (4.7 kg)
Packaged Size: ..... 20.6" (525 mm) x 18.3" (465 mm) x 4.3" (110 mm)
Max. Pressure: ..... 30 PSI (200 kPa)
Max. Temperature: ..... 400° F (200° C)
Vacuum: ..... 15 in. hg (51kPa) @ 60 PSI (4.1 bar) inlet pressure
..... 24 in. hg (81kPa) @ 90 PSI (6.2 bar) inlet pressure
..... 25 in. hg (81kPa) @ 120 PSI (8.3 bar) inlet pressure
Air Inlet Size: ..... 1/4" NPT

BK **821-5031**

Contents

Qty.	Description
1	Pressure Pump
1	2.5" (64mm) Diameter Diaphragm-Style Compound Gauge w/ Hanging Hook
1	Venturi Vacuum
1	Valve Coupler
1	Temperature Probe
1	2" x 30" (760mm) Extension Hose
1	5' (1.5m) Refill Hose
1	5' (1.5m) Drain Hose
1	Cap Wrench
1	Hose Clip
1	*BK* **700-2507** Cooling System Adapter (US/foreign cars)
1	*BK* **700-2508** Cooling System Adapter (Asian cars)
1	*BK* **700-2509** Cooling System Adapter (Asian cars)
1	*BK* **700-2510** Cooling System Adapter (US/foreign cars)
1	Custom-Molded Case
1	User's Manual (English/French/Spanish)
1	Adapter Selection Guide (English/French/Spanish)

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) and Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

COOLANT SYSTEMS

Coolant System Testers

Mityvac

COOLING SYSTEM AIR EVAC KIT

Refills automotive cooling systems in minutes, without trapping air, which can cause overheating. Combines universal adapter with compressed-air-operated venturi vacuum to quickly eliminate trapped air by purging and refilling the cooling system under vacuum. Universal adapter forms an airtight seal with all radiator and coolant bottle necks—No custom adapters are required. New, innovative design allows improved access to confined areas, and patent-pending valve coupler allows operator to test the cooling system for leaks prior to refilling. Components feature self-locking quick-disconnects for easy and time-saving assembly. Packaged in custom-molded case.

BK **827-5003**

Contents

Qty.	Description
1	2.5" (64mm) Diameter Diaphragm-Style Vacuum Gauge w/ Hanging Hook
1	Venturi Vacuum
1	Valve Coupler
1	Universal Cooling System Adapter
1	2" x 30" (760mm) Extension Hose
1	5' (1.5m) Refill Hose
1	Custom-Molded Case
1	User's Manual (English/French/Spanish)

Specifications

Packaged Weight: .....5.0 lbs. (2.3kg)
Packaged Size: .....17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm)
Vacuum: .....15 in. Hg (51 kPa) @ 60 PSI (4.1 bar) inlet pressure
.....24 in. Hg (81 kPa) @ 90 PSI (6.2 bar) inlet pressure
.....25 in. Hg (81 kPa) @ 120 PSI (8.3 bar) inlet pressure
Air Inlet Size: .....1/4" NPT

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) and Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Mastercool® "World Class Quality"

MASTERCOOL® COOLING SYSTEM VACUUM PURGE AND REFILL KIT

Mastercool cooling system vacuum purge and refill kit refills new coolant by creating a vacuum in the cooling system.

- Minimizes the risk of engine overheating
- No need to undergo time-consuming air bleeding after refilling new coolant
- Sealing collar with three rubber bushings offers a wide variety of applications for radiator filer necks

Contents: Vacuum gauge, sealing collar, valve, quick coupling, Venturi style vacuum, (3) rubber gaskets, coolant hose, drain hose

NTE **78-3761**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Mastercool® "World Class Quality"

TRUCK COOLING PRESSURE TEST & REFILL KIT

- For use with Freightliner, International, Kenworth, Peterbilt, Mack, Volvo, GMC and Sterling cooling systems
- Remove the complications that often result from unreliable rubber plugs or bladders
- Includes 5 adapters #'s 2, 12, 13, 15 & 14
- Includes pressure regulator, spindle A, vacuum refill adapter and refill hose
- Uses shop air to uphold continual pressure to the cooling system during testing and refill
- 4 quick disconnect vacuum attachments provide quick refilling of the cooling system and eradicates airlocks
- Includes heavy duty vehicle adapters, pressure test regulator, vacuum refill attachment with tubing in a plastic case

BK **700-3704**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Mastercool® "World Class Quality"

MASTERCOOL® VACUUM-TYPE COOLING SYSTEM FILLER KIT

Mastercool vacuum-type cooling system filler kit refills new coolant by creating a vacuum in the cooling system.

- For passenger and heavy duty vehicles
- Minimizes the risk of engine overheating
- Non need to undergo time-consuming air bleeding after refilling new coolant
- Conical adapter offers a wide variety of applications for different radiator filler necks

Contents: Vacuum gauge, shop air connector, air valve, Venturi-style vacuum, conical adapter, coolant hose with connector and coolant valve, drain hose

NTE **78-3762**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Mastercool® "World Class Quality"

27 PC. MASTER COOLING SYSTEM PRESSURE TEST KIT

Mastercool has been supplying professional quality air conditioning service tools and equipment to the automotive industry for years, making everyday work for the technician easier.

- Test range: 0 - 35 psi
- Includes 1 blue radiator cap test connector R123/R125 & 1 black radiator cap test connector R123/R124
- Includes 19 adapters #'s 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 & 21 to fit most popular domestic and import cars and trucks
- Detects internal engine leaks due to blown gaskets or cracked block
- Vacuum type cooling system, purge and refill for quick change of coolant
- Includes handheld pump, needle thermometer, vacuum type purge and refill tool, universal rubber radiator adapter, coolant hose, gauge for pump and hose for pump with coupler
- Detects and exposes external system leaks

BK **700-3701**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COOLING SYSTEM PRESSURE TEST KIT

High quality, hand-operated pump builds pressure quickly to reveal internal/external cooling system leaks caused by blown head gaskets, cracked blocks, or damaged heads. Convenient push-button valve safely relieves pressure when testing is complete. Components connect using self-locking quick-disconnects for easy, time-saving assembly. Includes four adapters for connecting to the cooling systems of most US/Asian cars and light trucks. May also be used for cooling system cap pressure testing (additional adapters required). Packaged in custom-molded case with space for two additional adapters. Packaged Weight: 6.0 lbs. (2.7kg). Packaged Size: 17.9" (455mm) x 13.2" (335mm) x 4.8" (122mm). Max. Pressure: 30 PSI (200 kPa).

BK **827-1217***

Contents

Qty.	Description
1	Hand Pressure Pump w/2' (610mm) long hose and push-button pressure relief valve
1	*BK* **700-2507** Cooling System Adapter (US/foreign cars)
1	*BK* **700-2508** Cooling System Adapter (Asian cars)
1	*BK* **700-2509** Cooling System Adapter (Asian cars)
1	*BK* **700-2510** Cooling System Adapter (US/foreign cars)
1	Cap Wrench
1	Custom Molded Case
1	User's Manual (English, French/Spanish)
1	Adapter Selection Guide (English/French/Spanish)

***Additional adapters available for most car/light truck makes/models and for testing cooling system caps.**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PROFESSIONAL-GRADE AUTOMOTIVE COOLING SYSTEM TEST KIT

Quickly pin points external leaks, the most common cause of engine overheating, and aids in diagnosing internal leaks caused by blown head gaskets or cracked block or head. Kit combines a high-quality pressure pump with Mityvac® universal cooling system adapter for quick, efficient and accurate testing without the need for costly application-specific adapters. Pump features a large capacity stroke to quickly reach peak pressure and includes a 2½" dia. gauge with easy-to-read, color-coded test level indicators. Includes: hand pressure pump with 2½" dia. Gauge and push-button pressure release valve, universal radiator test adapter and custom-molded case.

SER **MV4534**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

14 PC. COOLING SYSTEM PRESSURE TEST KIT

Mastercool has been supplying professional quality air conditioning service tools and equipment to the automotive industry for years, making everyday work for the technician easier.

- Includes handheld pump, needle thermometer, blow molded case, gauge for pump & hose for pump with coupler
- Detects internal engine leaks due to blown gaskets or cracked block
- Includes 12 adapters #'s 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 & 13 to fit most popular domestic and import cars and trucks
- Detects and exposes external system leaks
- Includes case

BK **700-3700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

25 PC. COOLING SYSTEM PRESSURE TEST KIT

- Includes handheld pump, thermometer, gauge for pump and hose for pump with coupler
- Detects and exposes external system leaks
- Includes blue & black radiator cap test connectors
- Includes 21 adapters #'s 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 & 23 to fit most popular domestic and import cars and trucks
- Detects internal engine leaks due to blown gaskets or cracked block

BK **700-3702**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

10 PC. COOLING SYSTEM PRESSURE TEST ADAPTER KIT

Adapter update kit to be used with *BK* **700-3700**

- Detects and exposes external system leaks
- Includes blue & black radiator cap test connectors
- Detects internal engine leaks due to blown gaskets or cracked block
- Includes 8 adapters #'s 14, 15, 16, 17, 18, 19, 20 & 21 to fit most popular domestic and import cars and trucks

BK **700-3703**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COOLANT SYSTEMS

Coolant System Testers

CARLYLE TOOLS by NAPA

COOLING SYSTEM & CAP PRESSURE TEST KIT

- Universal cooling system pressure tester
- Inflatable bladder attaches to radiator or header tank for system testing
- Includes pressure pump, extensions, radiator cap testers, drain hose and blow mold case

SER **3700**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

COOLING SYSTEM PRESSURE TESTER

- Universal cooling system pressure tester
- Inflatable bladder attaches to radiator or header tank for system testing
- Fits radiator neck up to 1¾"
- Includes pressure pump, extensions, drain hose and blow mold case

SER **3582**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

HICKOK WAEKON

COOLING SYSTEM PRESSURE TESTER

- Quick disconnect hook-up design minimizes set-up time
- CSTs high quality and easy to use design eliminates potential leak issues with rubber plugs or bladders. CST not only reduces set-up time, it also quickly pressurizes and maintains system pressure so you can find the leak the first time
- One piece all aluminum adapters that last a lifetime
- Uses shop air to maintain constant system pressure

Contents: (1) Pressure Regulator, Adapters, Retainers, 5' Hose, Storage Case

BKN **HIC62831**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information visit www.P65Warnings.ca.gov.**

HICKOK WAEKON

COOLING SYSTEM PRESSURE TESTER ADAPTER

- Includes plastic case for easy storage
- Works with part number HIC62831 cooling system pressure tester (sold separately)
- CST Cooling system adapters includes 9 machined aluminum adapters, a universal CAM style adapter, and A and B spindle adapter

Contents: (9) Adapters, A&B Spindle Adapters, CAM Style Adapter, Storage Case

BKN **HIC62801**

⚠ **WARNING: This product contains the chemical styrene which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information visit www.P65Warnings.ca.gov.**

Mityvac

ASIAN/US CAP ADAPTER KIT

Tests the capability of cooling system caps to hold pressure and vent it at the proper level. Contains four lightweight, easy-to-grip adapters for testing the proper funtion of radiator and coolant bottle caps on the vast majority of Asian/US cars and light trucks. Each adapter is custom-designed, ensuring an airtight seal with the cooling system cap. Adapters conveniently connect to pump using low-profile quick-connects. These cap adapters complement the system adapters included with kits *BK* **821-5031** and *BK* **827-1217**. The pump, included with *BK* **821-5031** or *BK* **827-1217**, is required for pressure testing with these adapters. Crossover adapter, *BK* **700-2536**, may be purchased to use these adapters with competitive, bayonet-style pressure pumps. Custom-molded case contains space for four additional adapters. Packaged Weight: 4.1 lbs. (1.9kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 445 for specific application information.

BK **827-5004**

Contents

Qty.	Item No.	Description
1	*BK* **700-2522**	Bayonet Cap Adapter (US/foreign cars)
1	*BK* **700-2523**	Bayonet Cap Adapter (Asian cars)
1	*BK* **700-2524**	Bayonet Cap Adapter (Asian cars)
1	*BK* **700-2525**	Threaded Cap Adapter (US/foreign cars)
1	—	Custom-Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

Mityvac

EXTENDED SYSTEM ADAPTER KIT

Adapts test equipment to a vehicle's radiator or coolant bottle for performing cooling system diagnostics, refilling, or eliminating airlock. Contains four lightweight, easy-to-grip cooling system adapters, which extend the applications of test kits *BK* **821-5031** and *BK* **827-1217**, to include additional makes/models of Asian/European/US cars and light trucks. Each adapter is custom-designed to accurately duplicate the coolant bottle cap, ensuring an airtight seal with the cooling system. Adapters conveniently connect to test equipment using low-profile quick-connects. Kit contains adapters only, and requires additional equipment, included with *BK* **821-5031** and *BK* **827-2536**, to perform cooling system tests or refill functions. Crossover adapter, *BK* **700-1217**, may be purchased to use these adapters with competitive, bayonet-style testers. Custom-molded case contains space for four additional adapters. Packaged Weight: 4.6 lbs. (2.1kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 445 for specific application information.

BK **827-1220**

Contents

Qty.	Item No.	Description
1	*BK* **700-2514**	Cooling System Adapter
1	*BK* **700-2517**	Cooling System Adapter
1	*BK* **700-2518**	Cooling System Adapter
1	*BK* **700-2521**	Cooling System Adapter
1	—	Custom Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

⚠ **WARNING: (*BK* 827-1220, *BK* 700-2514 & *BK* 700-2521) This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Mityvac

EUROPEAN SYSTEM ADAPTER KIT

Adapts test equipment to a vehicle's radiator or coolant bottle for performing cooling system diagnostics, refilling, and eliminating airlock. Contains six lightweight, easy-to-grip cooling system adapters that expand the applications of test kits, *BK* **821-5031** and *BK* **827-1217**, to include a large number of European car/light truck makes and models. Each adapter is custom-designed to accurately duplicate the coolant bottle cap to ensure an airtight seal with the cooling system. Adapters use low-profile quick-connects to conveniently connect to test equipment. This kit contains adapters only, and requires additional equipment, included with *BK* **821-5031** and *BK* **827-1217**, to perform cooling system tests or refill functions. Crossover adapter, *BK* **700-2536**, may be purchased to use these adapters with competitive bayonet-style testers. Custom-molded case contains space for two additional adapters. Packaged Weight: 5.3 lbs. (2.4kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 445 for specific application information.

BK **827-1218**

Contents

Qty.	Item No.	Description
1	*BK* **700-2511**	Cooling System Adapter
1	*BK* **700-2512**	Cooling System Adapter
1	*BK* **700-2513**	Cooling System Adapter
1	*BK* **700-2515**	Cooling System Adapter
1	*BK* **700-2516**	Cooling System Adapter
1	*BK* **700-2520**	Cooling System Adapter
1	—	Custom Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

⚠ **WARNING: (*BK* 827-1218, *BK* 700-2512, *BK* 700-2515 & *BK* 700-2520) This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) and Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Mityvac

UNIVERSAL COOLING SYSTEM ADAPTER

Simple and quick to install in virtually any radiator or coolant reservoir neck. The rubber, step-and-cone design features a self-docking nested cam and internal restrictor that combine to provide a secure airtight seal with only a single rotation of the expansion knob. The unique adapter is fully self-contained (no component change is required) so there are no extra parts to maintain. Also, its compact size allows for convenient storage in a toolbox. Economical alternative to application-specific adapters. Fits pressure pumps with a common radiator neck-style connection. Replaces more than 20 individual adapters used to pressure test the cooling systems on cars, vans and light and heavy-duty trucks.

SER **MV4508**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Mityvac

EUROPEAN CAP ADAPTER KIT

Tests the capability of cooling system caps to hold pressure and vent it at the proper level. Contains six lightweight, easy-to-grip adapters for testing the proper function of the coolant bottle caps used on many European cars and light trucks. Each adapter is custom-designed, ensuring an airtight seal with the cooling system cap. Adapters conveniently connect to pump using low-profile quick-connects. The pump, included with *BK* **821-5031** and *BK* **827-1217**, is required for pressure testing with these adapters. Crossover adapter, MVA400, may be purchased to use these adapters with competitive, bayonet-style pressure pumps. Custom-molded case contains space for two additional adapters. Packaged Weight: 5.2 lbs. (2.4kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 445 for specific application information.

BK **827-1219**

Contents

Qty.	Item No.	Description
1	*BK* **700-2526**	Cooling System Cap Adapter
1	*BK* **700-2527**	Cooling System Cap Adapter
1	*BK* **700-2528**	Cooling System Cap Adapter
1	*BK* **700-2530**	Cooling System Cap Adapter
1	*BK* **700-2531**	Cooling System Cap Adapter
1	*BK* **700-2534**	Cooling System Cap Adapter
1	—	Custom Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

Mityvac

EXTENDED CAP ADAPTER KIT

Tests the capability of cooling system caps to hold pressure and vent it at the proper level. Contains four lightweight, easy-to-grip adapters for testing the proper function of the coolant bottle caps used on additional makes/models of Asian/European/US cars and light trucks. Each adapter is custom-designed, ensuring an airtight seal with the cooling system cap. Adapters conveniently connect to pump using low-profile quick-connects. The pump, included with *BK* **821-5031** and *BK* **827-1217**, is required for pressure testing with these adapters. Crossover adapter, *BK* **700-2536**, may be purchased to use these adapters with competitive, bayonet-style pressure pumps. Custom-molded case contains space for four additional adapters. Packaged Weight: 4.5 lbs. (2.0kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 445 for specific application information.

BK **827-1221**

Contents

Qty.	Item No.	Description
1	*BK* **700-2529**	Cooling System Cap Adapter
1	*BK* **700-2532**	Cooling System Cap Adapter
1	*BK* **700-2533**	Cooling System Cap Adapter
1	*BK* **700-2535**	Cooling System Cap Adapter
1	—	Custom-Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

INDEX

Coolant System Testers Adapters

RADIATOR & COOLANT BOTTLES WITH BAYONET STYLE NECK

Part No.	Description		Part No.	Description	
BK **MVA100**	Original large bayonet style used on most early model autos. Still used on many applications through current year.		*BK* **MVA200**	Original large bayonet style used on most early model autos. Still used on many applications through current year.	
BK **MVA101**	Small bayonet applications with 16mm deep neck. Numerous applications including many Asian autos.		*BK* **MVA201**	Small bayonet applications with 16mm deep neck. Numerous applications including many Asian autos.	
BK **MVA102**	Small bayonet applications with 9mm deep neck. Numerous applications including many Asian autos.		*BK* **MVA202**	Small bayonet applications with 9mm deep neck. Numerous applications including many Asian autos.	

RADIATOR AND COOLANT BOTTLES WITH EXTERNAL THREADS ON THE NECK

Part No.	Description		Part No.	Description	
BK **MVA103**	Numerous domestic applications especially GM beginning in early 1990s through current year. Also some Mercedes, Jaguar and Ford.		*BK* **MVA203**	Numerous domestic applications especially GM beginning in early 1990s through current year. Also some Mercedes, Jaguar and Ford.	
BK **MVA104**	Volkswagen and Audi models 1975 through 1993 with external thread on coolant bottle.		*BK* **MVA204**	Volkswagen and Audi models 1975 through 1993 with external thread on coolant bottle.	
BK **MVA105**	Peugeot 206/406, Volvo, Land Rover Freelander, Alfa Romeo 164, Renault, Mini, Jeep, Sterling, Saab with external thread on coolant bottle.		*BK* **MVA205**	Peugeot 206/406, Volvo, Land Rover Freelander, Alfa Romeo 164, Renault, Mini, Jeep, Sterling, Saab with external thread on coolant bottle.	
BK **MVA107**	Porsche, Mercury, Saturn, Saab, Jaguar, Range Rover, Pontiac, Daewoo, Ford.		*BK* **MVA207**	Porsche, Mercury, Saturn, Saab, Jaguar, Range Rover, Pontiac, Daewoo, Ford.	
BK **MVA109**	Mercedes E-Class 1996 and later, Mercedes with external thread on coolant bottle (except M-Class), Chrysler Crossfire 2004 and later.		*BK* **MVA209**	Mercedes E-Class 1996 and later, Mercedes with external thread on coolant bottle (except M-Class), Chrysler Crossfire 2004 and later.	

Mityvac

CROSSOVER ADAPTER
May be used with competitive, bayonet-style pressure pumps.
BK **700-2536**

BA-STYLE RADIATOR & BAYONET-NECK COOLANT BOTTLE ADAPTERS

Description/Applications	System Adapter	Cap Adapter
Large bayonet-style used on most early model autos and many applications through current year.	*BK* **700-2507**	*BK* **700-2522**
Small bayonet applications w/16mm deep neck. Numerous applications, including many Asian autos.	*BK* **700-2508**	*BK* **700-2523**
Small bayonet applications w/9mm deep neck. Numerous applications, including many Asian autos.	*BK* **700-2509**	*BK* **700-2524**

⚠ **WARNING: (*BK* 700-2507, *BK* 700-2508, *BK* 700-2523 & *BK* 700-2524) This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

IT-STYLE RADIATOR & INTERNAL THREAD COOLANT BOTTLE ADAPTERS

Description/Applications	System Adapter	Cap Adapter
1998-Later Audi/Volkswagen w/ internal thread on coolant bottle.	*BK* **700-2515**	*BK* **700-2530**
Toyota 2000-Later Celica/MR2 Spyder	*BK* **700-2518**	*BK* **700-2533**
1998-90 Volkswagen w/ internal thread on coolant bottle.	*BK* **700-2513**	*BK* **700-2528**

⚠ **WARNING: (*BK* 700-2515) This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

ET-STYLE RADIATOR & EXTERNAL THREAD COOLANT BOTTLE ADAPTERS

System Adapter Description/Applications	System Adapter	Cap Adapter
1993-75 Audi/Volkswagen 1975w/ external thread on coolant bottle.	*BK* **700-2511**	*BK* **700-2526**
Alfa Romeo 164/Freelander/Jeep/ LandRover/Mini/Peugeot 206-406/ Renault/Saab/Sterling/Volvo w/external thread on coolant bottle.	*BK* **700-2512**	*BK* **700-2527**
2002-98 BMW w/external thread on coolant bottle/1997-95 Land Rover-Range Rover.	*BK* **700-2520**	*BK* **700-2534**
1987-Earlier BMW/1989-87 Merkur-Scorpio.	*BK* **700-2519**	*BK* **700-2529**
2004-Later Chrysler Cross-fire/1996-Later Mercedes E-Class/ Mercedes(except M-Class) w/external thread on coolant bottle.	*BK* **700-2516**	*BK* **700-2531**
Daewoo/Ford/Jaguar/Mercury/Pontiac/ Porsche/Range Rover/Saab/Saturn.	*BK* **700-2514**	*BK* **700-2529**
Ford Escape, Focus/Jaguar XJ8, XK8/ Mazda Tribute.	*BK* **700-2517**	*BK* **700-2532**
Mazda 3	*BK* **700-2521**	*BK* **700-2535**
Numerous domestic applications, Especially early 1990s-Current GM. Also, some Ford, Jaguar, & Mercedes.	*BK* **700-2510**	*BK* **700-2525**

⚠ **WARNING: (*BK* 700-2512, *BK* 700-2520, *BK* 700-2514, *BK* 700-2521, *BK* 700-2510 & *BK* 700-2525) This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

INDEX

Stant

STANT® COOLING SYSTEM & PRESSURE CAP TESTER

Large, color-coded dial makes it easy to accurately test current vehicles with high-pressure cooling systems and pressure caps up to 30 pounds. Includes cap testing pressure ranges of 17-19, 20, and 28-30 lbs. When turned clockwise, pressure release bar releases pressure buildup before removing head from neck. Comes in plastic case with one spacer for testing one-inch deep filter necks, one cap, and adapter to check 3/4" deep caps.

Item No.	Description
BK **700-3025**	Cooling System & Pressure Cap Tester
BK **700-3027**	Replacement Gauge 30 lb.
BK **700-3028**	Replacement Gauge Head Repair Kit
BK **700-9510**	Replacement Knob
BK **700-9511**	Replacement Cup
BK **700-9512**	Replacement Check Valve
BK **700-9518**	Replacement Hose & Head Kit
BK **700-9519**	Replacement Head Repair Kit
BK **700-9520**	Replacement Spacer

STANT® COOLING SYSTEM & PRESSURE CAP TEST ADAPTERS

Application/Description	Item No.
Acura/Chevrolet/Chrysler/Dodge/Eagle/Ford/Ford Truck/Geo/Honda/Hyundai/Infiniti/Isuzu/Kia/Lexus/Mazda/Mercury/Mitsubishi/Nissan/Plymouth/Subaru/Suzuki/Toyota: Cap adapter required for testing small diameter(45mm O.D.) radiator caps used on many late model cars.	*BK* **700-1299**
Acura/Chevrolet/Chrysler/Dodge/Eagle/Ford/Ford Truck/Geo/Honda/Hyundai/Infiniti/Isuzu/Kia/Lexus/Mazda/Mercury/Mitsubishi/Nissan/Plymouth/Subaru/Suzuki/Toyota: Adapter required for testing all small diameter(32mm I.D./16mm deep) applications.	*BK* **700-3033**
Acura/Chevrolet/Dodge/Eagle/Geo/Honda/Isuzu/Lexus/Mitsubishi/Plymouth/Suzuki/Toyota: Cap adapter required for testing small diameter (44mm O.D.) radiator caps on many late model cars.	*BK* **700-3030**
Acura/Chevrolet/Dodge/Eagle/Geo/Honda/Isuzu/Lexus/Mitsubishi/Plymouth/Suzuki/Toyota: Adapter required for testing all small diameter (31mm I.D./10mm deep) cooling system filler neck applications.	*BK* **700-3031**
Audi/Porsche/Volkswagen: Threaded adapter required to fit late model Audi/Porsche/Volkswagen cooling systems with threaded filler necks. Thread Specs: M 48 x 3.	*BK* **700-1305**
BMW/Merkur: Threaded adapter required to fit early1980s BMW & Merkur cooling systems w/threaded filler neck on the expansion tank. Thread Specs: M 52 x 4.	*BK* **700-1309**
Buick/Chevrolet/Oldsmobile/Pontiac: For use with tester, *BK* **700-3025**, to check 3/4" deep caps.	*BK* **700-1297**

Application/Description	Item No.
Cadillac/Daewoo/Jaguar/Pontiac/Saab/Saturn: Threaded adapter required for testing threaded cooling system filler necks Thread Specifications: M 52 x 3.	*BK* **700-3029**
GM N Body/Ford/Saturn: Threaded adapter required for testing cooling systems on GM N body & Saturn cars, as well as most Ford cars and trucks.	*BK* **700-3032**
GM X Cars: Rubber gasket for use with 12453 GM adapter kit when checking GM X cars with 1.8L and 2.0L engines. The 12452 is available for replacement or for those already owning a 12450 truck adapter kit.	*BK* **700-9506**
GM X & J Cars: The complete separate kit for testing GM X cars with 2.5L engines and J cars with 1.8L or 2.0L engines. Kit includes: 12452 rubber gasket and B size filler neck adapter from the 12450 truck adapter kit. Fits most Buick/Chevrolet/Oldsmobile/Pontiac.	*BK* **700-1307**
GMC/White Trucks: Threaded adapter required to fit some White/GMC trucks w/threaded, 2 1/2" diameter filler necks.	*BK* **700-1302**
Jeep/Renault/Saab/Volvo: Threaded adapter required to fit all Volvo, Saab, late-model Jeeps, and many Renault cooling systems with a threaded filler neck on the expansion tank. Thread Specs: M 43. 2 x 3.	*BK* **700-1308**
Trucks: Truck adapter kit includes two solid die-cast, chrome-plated cap and radiator adapters, and one 7/8" plug. Fits all popular trucks with large diameter (2 11/16" O.D., B size) filler necks.	*BK* **700-1301**
Trucks: Rubber plug for truck cooling systems is 7/8" thick and can be ordered separately from truck adapter kit, *BK* **700-1301**.	*BK* **700-9517**

STANT® COOLING SYSTEM & PRESSURE CAP CONVERSION KIT

Allows you to update discontinued *BK* **700-1129** to the 30-pound tester, *BK* **700-3025**.
Kit includes 30-pound gauge and hose/head assembly with pressure-release bar and 30-pound spring.
BK **700-3026**

Mityvac

UNIVERSAL RADIATOR ADAPTER

This handy adapter is compatible with all brands of radiator pressure testers and reservoir tanks. Plus, it offers 90% application coverage on cars/light trucks. This one product can save you hundreds of dollars by replacing up to 25 other application-specific adapters. Requires minimal set-up time, and can be easily serviced when necessary. Durably-constructed, hard-body adapter does not require inflation or conditioning.

BK **700-2431**

CARLYLE TOOLS by NAPA

BLADDER REPLACEMENT KIT

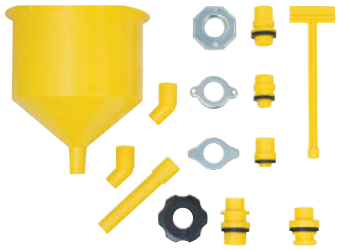
Replacement bladder for Cooling System Pressure Tester. Fits *SER* **3700** and *SER* **3582**.

SER **80003**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SPILL-FREE FUNNEL KIT



Eliminates trapped air pockets that cause erratic cooling system and heater performance. Control proper amount of coolant entering system and enables unattended filling. New E-adapter designed for use on surge tanks of many Ford applications while 45° elbow is designed for caps placed at an angle. Extension allows access to caps located under shrouds or in fender wells.

SER **24680**

Contents

Qty.	Description
1	Funnel
2	Elbow
1	Fluid stopper
3	Caps
3	Adapters w/gaskets

Qty.	Description
1	Threaded cap
1	Threaded adapter w/gasket
1	45-Degree elbow
1	5" Extension
1	E-adapter

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

NO SPILL COOLANT FILLING FUNNEL KIT

Eliminate oil spills while refilling oil with the universal direct fit oil funnel set. Equipped with a wide-flow passage, the direct fit funnel is threaded to specific car makes stabilizing the oil funnel for optimized refilling.

- Transparent lower chamber to monitor oil flow
- Funnel screws directly into filler neck
- Threaded to fit a range of import, domestic, older and current models

CHT **NSFCOOL**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LUBMAX Lubrication Equipment

RADIATOR FILLER

Tough polyethylene will not damage automobile finishes. 2.5-gallon filler is impervious to gas, oil, anti-freeze and temperature extremes.

BK **823-1036**

CARLYLE TOOLS by NAPA

DEF REFRACTOMETER

A multi-use refractometer to check coolant/battery and DEF all in one tool. Easy focusing and an eyepiece cup provide a clear reading and comfort of use. Tool is easily calibrated with the included distilled water and screwdriver.

- Combined capability in one tool
- No power needed - uses sunlight
- Ethylene Glycol/Propylene Glycol/Urea/Battery measuring scale

Contains: (1) Refractometer, Cleaning Cloth, Calibration Screwdriver, Dropper & Distilled Water

SER **3R401-BK**

ROBINAIR

COOLANT & BATTERY REFRACTOMETER

This model can be used for measuring the freezing point of either propylene or ethylene glycol based cooling systems. It can also be used for checking the strength of electrolyte solution batteries. This precision instrument features high-quality optics with ultra smooth focusing. Scale range: 32° F to -60° F. (0° to -51° C)

NTE **78-9107**

CARLYLE TOOLS by NAPA

LONG HOSE ANTIFREEZE TESTER

Extra-long hose helps reach and draw up solution. Includes acid-proof scale and compensates for temperature variations. Includes a built-in thermometer and easy-to-read, lettered float.

SER **77-1126**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HAND-HELD ANTIFREEZE TESTER

Hand-held tester in plastic case features Fahrenheit and Celsius scale and tests freezing point to -34° F (-37° C) and boiling point to 227° F. (108° C) Also tests rust inhibitor protection.

SER **77-1125**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DISC TYPE ANTIFREEZE TESTER

Easy-to-read discs are magnified by convex barrel, and a sixth disc shows when too much antifreeze has been added.

SER **77-1784**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

ANTIFREEZE TESTER W/ POCKET PROTECTOR

Mini-size tester with floating balls for quick readings. Accurate to -40° F. (-40° C)Tests permanent type antifreeze with engine warm or cold.

BK **776-1024**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

ANTIFREEZE TESTER W/ POCKET PROTECTOR & PLASTIC SHIELD

Mini-size tester with floating balls for quick readings. Accurate to -40° F. (-40° C)Tests permanent type antifreeze with engine warm or cold.

BK **776-1025**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

ANTIFREEZE TESTER

Allows user to easily check vehicle antifreeze and coolant.

BK **776-1026**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

OTC

FORD AEROSTAR HEATER HOSE DISCONNECT TOOL SET

Quickly and easily removes heater hose from core tube without damaging coupling retainer, or hose. Includes heater hose disconnect tools for 5/8" and 3/4" hoses with quick-connect couplings at heater core. Extension handle enables easier access. For 1997-86 Ford Aerostar vans.

BK **700-1999**

CARLYLE TOOLS by NAPA

VACUUM HOSE PINCHER SET

A quick, easy way to pinch off vacuum or fuel lines without inflicting damage. One pair.

SER **77-4002**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

LARGE RUBBER HOSE CUTTERS

The large rubber hose cutters works on large rubber radiator hoses and provides quick clean cuts. The razor sharp blade can be re-sharpened and the handle is designed to trap and hold the hose for a straight line cut. Patent Pending.

SER **3550**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE CUTTER

Cleanly cuts heater hoses, fuel lines, and many other types of flexible hoses up to 1 1/4". Glass-filled nylon with stainless steel, reversible blade for strength and durability.

SER **77-4033**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HOSE PUSH OFF PLIERS

Allows easy removal of rubber hoses from pressed on fittings for 3/16" to 1/2" OD hoses. Ribbed surface digs into steel tube for added grip to push off rubber hose.

SER **3971**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Mityvac

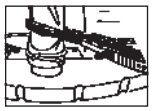
HOSE PINCH OFF PLIERS

- The new Mityvac locking hose clamps are ideal for securely clamping flexible hoses when performing automotive diagnostics or repairs
- Angled jaws feature a rounded edge that won't cut into hoses
- Includes one 6", and one 8" locking hose clamp pliers
- Unique quick-release locking mechanism that automatically secures the jaws in any position, and releases by depressing the easy-to-reach release lever
- Designed for comfort, the large clamp grips have non-slip ribs and finger guards
- Resistant to oil and other common automotive fluids and chemicals
- Features double, lightweight composite construction

Item No.	Description	2 Pc. Set *SER* MVA7609
SER **MVA7605**	6" Clamp for hoses up to 1"	•
SER **MVA7607**	8" Clamp for hoses up to 1 1/4"	•

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA



HOSE PINCH-OFF PLIERS

Pliers eliminate the need to drain cooling system when servicing. Pliers squeeze hoses shut and jaws swivel for parallel clamping. Pliers include automatic locking ratchet. Tool can be used to pinch off some emission system hoses.

CAUTION: Do not use on wire-reinforced hose

SER **145**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SER **3791**

SER **3792**

SER **3793**

HOSE PINCH-OFF PLIERS

Squeeze with Ease!

Features

- Ideal for use on radiator hoses, heater hoses, water, air, vacuum and fuel lines
- Made from high carbon heat treated steel for extended life
- Hardened steel pivots for lifetime service
- Extra long cushioned hand grips for comfort and control
- Patented clamping mechanism locks automatically
- — no screws or levers to set or adjust
- Black oxide coated to resist rust and corrosion

Item No.	Description	Length	Weight
SER **3791**	Mini Hose Pinch-Off Pliers ¾" OD capacity	5.50"	4 oz.
SER **3792**	Hose Pinch-Off Pliers 1¼" OD capacity	9.25"	12 oz.
SER **3793**	Hose Pinch-Off Pliers 2½" OD capacity	14"	20 oz.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ANGLED STRAIGHT HOSE CLAMP PLIERS

For Corbin (wire) style hose clamps with flat ears. Tips trap and hold clamp and swivel for multiple angle access. Features: improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3977**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LARGE HOSE CLAMP PLIERS

Flat band pliers are designed for the removal and installation of flat-type hose clamps. Pliers feature fine-tooth locking ratchet to latch pliers in position. Large size is perfect for heavy-duty jobs. Length: 14¾".

SER **3444**

CORBIN-STYLE HOSE CLAMP PLIERS

For Corbin (wire) style hose clamps. Tips trap and hold clamp and swivel for multiple angle access. Features: improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3975**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STRAIGHT HOSE CLAMP PLIERS

For Corbin (wire) style hose clamps with flat ears. Tips trap and hold clamp and swivel for multiple angle access. Features: Improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3976**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ANGLED HOSE CLAMP PLIERS

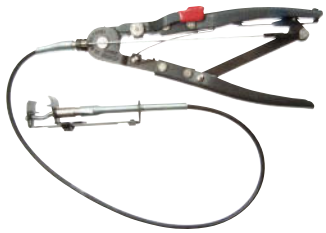
Use pliers to remove and install flat-type hose clamps in hidden and hard-to-reach areas. This tool is a variation of our popular Flat Band Hose Clamp Pliers and features 45° jaws with swivel tips to grip at any angle and pliers that latch securely in position.

SER **3454**

FLAT BAND HOSE CLAMP PLIERS

Pliers remove and install newer-style flat band clamps used on various hose assemblies. Use pliers on Ford, GM and some imports.

SER **3252**



HOSE CLAMP PLIERS

Removes 1$^{1}/_{16}$" to 2$^{1}/_{2}$" dia plastic and metal self-tightening hose clamps. Extended reach, flexible cable and self locking clamps are perfect for hard to reach areas. Length: 33$^{1}/_{2}$".

SER **77-3870**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Fan Clutch Tools

UNIVERSAL PULLEY HOLDER WITH PINS

Holds both bolted-on and pressed-on pulleys found on many vehicles. Includes two-piece replacement bit set (*SER* **3901**) 5 x 8mm. Patented. Tool replaces *SER* **3471** Universal Pulley Holder.

SER **3900**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PULLEY HOLDER PIN SET

5 x 8mm Pin set for use with *SER* **3900** pulley holder for Chrysler pressed on pulleys.

SER **3901**

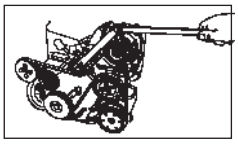
PULLEY HOLDER PIN SET

6 x 10mm, 7.5 x 18mm Pin set for pulleys and cam sprocket holding and adjustment.

SER **3902**

SERPENTINE BELT TOOL

Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulley. Just push or pull to release tension. Exclusive Crow's Foot wrenches provide maximum coverage and access.



Item No.	Description	Fits
SER **3414**	Contains (1 of each): *SER* **3414-80**, *SER* **3414-81**, *SER* **3414-82***, *SER* **3414-83***, *SER* **3414-84***, *SER* **3414-85***, *SER* **3414-86*** and *SER* **3414-87***	
Replacement Parts		
SER **3414-80**	Long-Handle Wrench	Ford 1.9 and 2.3 L, GM 3.1 L
SER **3414-81**	Short Bar	Chrysler 2.5 & 3.0 L, Ford 4.6 L
SER **3414-82***	15mm 12-Point Socket	Ford 3.0 and 3.8 L, Chrysler 3.0, 3.3
SER **3414-83***	16mm 12-Point Socket	Ford 3.8 and 4.0 L
SER **3414-84***	18mm 12-Point Socket	GM3800
SER **3414-85***	13mm Crow's Foot	GM Quad Four Engine
SER **3414-86***	14mm Crow's Foot	Saturn Engine
SER **3414-87***	15mm Crow's Foot	Ford Windstar with 3.8 L Engine

*** 3/8" Drive Socket**

SERPENTINE BELT TOOL

Simply push or pull to release tension on serpentine belts with spring-loaded, self-adjusting idler pulleys. Fits idler pulleys requiring 15, 16 and 18mm, or 3/8" square drives. Also includes 13, 14 and 15mm crow's foot wrenches. Length: 23".

BK **776-9078**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 PC. FAN CLUTCH WRENCH SET

Removes and installs the fan clutch on many models when repairing or replacing water pump, timing chain or fan clutch. Includes pins for new pressed-on pulleys found in Chrysler and other domestic vehicles.

SER **41570**

Contents

Item No.	Description
—	22mm Fan Clutch Wrench
SER **3136-76**	36mm Ford Fan Clutch Wrench
SER **3422**	40mm Ford Fan Clutch Wrench
—	47mm Ford Fan Clutch Wrench
SER **3904**	50 mm Ford Fan Clutch Wrench
SER **3900**	Universal Pulley Holder

⚠ **WARNING: (*SER* 41570 & *SER* 3900) This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FAN CLUTCH WRENCH SET

Set includes the universal pulley holder, small pin and fan clutch wrenches. Designed to remove and replace thermostatic fan assemblies while eliminating the need for various sized holding wrenches.

SER **3472**

Contents

Item No.	Description
SER **3136-76**	Ford Fan Clutch Wrench
SER **3422**	40 mm Ford Fan Clutch Wrench
SER **3900**	Universal Pulley Holder

⚠ **WARNING: (*SER* 3900) This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

48 MM FAN CLUTCH WRENCH

Use in conjunction with universal pulley holder to remove and replace the thermostatic fan assembly. Refer to factory service manual for torque specification and thread direction.

Item No.	Size	Drive Size
SER **3473**	48 mm	1/2"

SER **3904**

FAN NUT WRENCH

Item No.	Description
SER **3904**	50mm. Use for trucks & buses w/Ford Navistar engine

FORD DIESEL FAN CLUTCH WRENCH SET - 6.9-L & 7.3-L

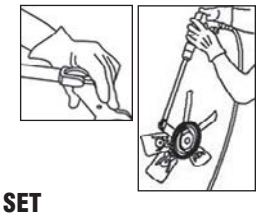
Use set to remove and replace the thermostatic fan assembly on Ford 6.9- and 7.3-L engines. Use with 1/2" drive tools and a torque wrench. Refer to Ford factory service manual for torque specifications and thread direction. Wrench openings - Long: 48mm (1.889"), Short: 83mm (3.250").

SER **3296**

FORD FAN CLUTCH WRENCH SET

Used to remove and replace the thermostatic fan assembly on Ford 4.9-L E and F series truck engines 1984 through 1993, Ford 4.6-L modular engines, 2.8-L engines 1984 through 1987, 2.9 to 3.0-L Engines, 1988 to current and 4.0-L engines 1990 to current. Use with 1/2" square drive tools and torque wrench. Refer to Ford factory service manual for torque specifications and thread direction. Wrench Openings - Long: 36mm (1.417"), Short: 58mm (2.283"). **CAUTION: Do not use with power tools.**

Item No.	Description
SER **3136**	Set
SER **3136-76**	Replacement Long Wrench 36mm



PNEUMATIC FAN CLUTCH WRENCH SET

Quickly removes and installs fan clutch for repairing the water pump or fan clutch. Works faster and easier than conventional fan clutch wrenches. No holding wrench is necessary. Set includes seven driving wrenches that fit Ford, GM, Chrysler and Jeep. Use with an air hammer. Includes blow molded case.

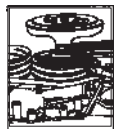
Contents

Handle Assembly, 32mm Driving Wrench, 36mm Driving Wrench, 1 7/8" Driving Wrench, 2" Driving Wrench, 7/8" Driving Wrench, 40mm Driving Wrench, and 47mm Driving Wrench

SER **77-4011**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



40MM FAN CLUTCH WRENCH

Wrench removes thermostatic fan assembly. Holds pulley while turning square shaft on fan clutch.

Item No.	Size	Drive Size	Length	Thickness
SER **3422**	40mm	1/2"	19.5"	.25"

HEATER LINE REPAIR KIT

- Repair damaged heater lines including pinholes, cracks, kinks and more
- Make connections easily by hand; no specialty tools required
- OEM style hose easy to route
- On-the-car repairs made simple
- Perfect for vans, SUVs and other vehicles with failed rear heater lines and systems

Item No.	Line Size	Description	SER **HL427** Kit Qty.
Compression Unions			
SER **HL12**	1/2" (13mm)	1/2" Heater Compression Union	1
SER **HL58**	5/8" (16mm)	5/8" Heater Compression Union	1
SER **HL34**	3/4"	3/4" Heater Compression Union	
Hose to Compression Union Adapters – Straight (Includes Dual Clamp			
SER **HL11212**	1/2" (13mm)	1/2" Hose to 1/2" Compression Union	2
SER **HL11258**	5/8" (16mm)	1/2" Hose to 5/8" Compression Union	2
SER **HL11234**	3/4"	1/2" Hose to 3/4" Compression Union	
Hose (Universal Hose – Use with all S.U.R.&R. Heater Adapters)			
SER **HL12H**	Universal	1/2" Heater Hose 10' Roll	1
SER **HL12H25**	Universal	1/2" Heater Hose 25' Roll	
Dual Clamp			
SER **HL34C**	3/4"	3/4" Heater Hose Dual Clamp (Use with 1/2" Heater Hose)	4
Hose Spring			
SER **SP34**	3/4"	1/2" Heater Hose Spring (Use with 1/2" Heater Hose)	1
Clamp Pliers			
SER **CP360**	Up to 1" O.D.	360° Seal Clamp Pliers	1

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Coolant Exchangers 520
Fluid Transfer Equipment 521-526
Oil Exchangers 520
Transmission Fluid Exchangers 520

Transmission Fluid, Oil & Coolant Exchangers

MAHLE

FluidPRO® ATX-3 + BOOST SERIES AUTOMOTIVE FLUID EXCHANGE SYSTEMS

FluidPRO® ATX-3 +Boost. ATC Automatic Transmission Fluid Exchangers offer the complete package with the utmost accuracy during fluid exchange combined with multitasking to ensure the fastest service.

Features

- Fully automatic operation
- Precision fluid measurement to minimize technician input
- Electronic keypad
- Digital weight scale technology for accurate fluid exchange
- Logical intuitive command functions
- Transmission pressure diagnostics
- 'Dipstick' or 'Cooler' Mode Selector
- Start Engine Indicator
- Automatic fluid level adjustment, plus or minus ½ qt. adjustments
- Color coded adapters for ease of use with determining vehicle application
- Average full exchange process time of 2 to 5 minutes; Dipstick mode 8 to 14 minutes
- Audible Process Indicators

Specifications

Adapters ..... Cooler line connection. Valved couplers for minimum spill. ..... Standard adapters for Ford, GM, Chrysler, & Universal (most Asian imports).
Controls ..... Microprocessor with digital keypad & light emitting diodes
Dimensions (H x W x D) ..... 45 in. x 28 in. x 26.5 in. (112 cm x 70 cm x 67 cm)
Fluid Tanks / Types ..... 26 quarts (24.6 liters) each for both new & used fluids / Multiple fluid capability
Hoses ..... 10 ft. (3 m) black & red (exchange); 8 ft. (2.5m) black (empty used tank) ..... ATX-3+Boost also includes 5 ft. (1.5m) clear, attached to 8 ft. (2.5m) black hose for dipstick mode.
New Fluid Pump ..... Positive displacement gear pump, 4 quarts (3.8 liters) per minute/includes diaphragm pump, ... 7.2 quarts (6.84 liters) per min. Diaphragm pump increases fluid suction rate in low-flow/ ..... temperature controlled transmission in both ATX-2+Boost & ATX-3+Boost units.
Operating Range ..... Cooler Mode: 32° to 122°F (0° to 50°C) Dipstick Mode: 42° to 122°F (5.5° to 50°C)
Power Source ..... 12 VDC - 10 Amp
Process Time ..... 3 to 6 minutes average full exchange. Dipstick Mode is available ..... on the ATX-3+Boost with 8 to 14 minutes* average full exchange.
Scale Accuracy ..... ±0.03% over usable range
Warranty ..... 1 Year–parts & labor
Weight ..... ATX-3+Boost: 244 lbs. (111 kg)

**** Based on 12 quart exchange***

Item No.	Description
RTI **4008000900**	ATX-3+Boost Automatic Transmission Fluid Exchanger (Includes Dipstick Service Mode)
RTI **3008004800**	ATX Adapter Set (Included standard with the ATX equipment)
RTI **3008004900**	Deluxe ATX Adapter Set (Includes many foreign car adapters)

SOLTEC
SOLUTIONS TECHNOLOGY

SOLTEC® PRODUCTS AND EQUIPMENT

Item No.	Description
ACL **98460**	Basic Brake Machine (Manual Single Line)
ACL **98470**	Pure Brake Machine (automated 4 line)
ACL **94880**	Automatic Trans Fluid Exchanger (Inline Service Only)
ACL **95900**	Smart Tec II ATF Fluid Exchanger (Inline & Dipstick Services)

Item No.	Description
ACL **94340**	Dual Pump Coolant Exchanger
ACL **94370**	Single Pump Coolant Exchanger
ACL **95340**	Air Operated Coolant Machine
ACL **95770**	Diff/Power STR Fluid Exchange Machine

WE OFFER A FULL LINE OF PREVENTIVE MAINTENANCE CHEMICALS AND PROGRAMS

Mityvac

ATF REFILL SYSTEM

Complete system for servicing today's sealed automatic transmissions. Kit includes 5' hose and 10 refill adapters to connect to Ford, Toyota, BMW, Honda, Nissan, VW, and Audi. Large 1.2-gallon capacity reservoir dispenses fluid under pressure for smooth flow. Features integrated safety and manual pressure relief valve.

SER **MV6410**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

2.5 GALLON ATF REFILL SYSTEM

The ATF Refill System combines the fluid reservoir and lid with an integrated pressure pump and 10 ATF adapters for: Ford, Toyota, BMW, Honda, Nissan, VW, Audi, Mercedes and Volvo transmissions in order to fill or top-off sealed automatic transmissions. Includes a narrow 12" wand for dispensing fluids in tight areas and a convenient hanging hook. 5' Fluid dispensing hose with flow control and auto-shutoff valves. Features a 2.5 gallon (10 liter) reservoir, which reduces the time a technician must spend refilling the reservoir on larger jobs. Includes: 2.5 gallon (10-liter) fluid reservoir, reservoir lid with integrated manual pump, pressure gauge, pressure relief valve, 5' fluid dispensing hose with flow control and auto shut-off valves. *SER* **MVA5800** ATF Refill Adapter Kit (includes ten adapters *SER* **MVA580** - *SER* **MVA589**), fluid dispensing wand and hanging hook.

SER **MV6412**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FORD POWER STEERING ADAPTER

Aids in eliminating trapped air from Ford power steering systems. Custom designed to fit late model Ford vehicles. Installs in place of the power steering reservoir cap. Designed for use with Mityvac® hand vacuum pump.

SER **MVA662**

POWER STEERING ADAPTER KIT

- Power steering adapter kit aids in the removal of trapped air from power steering systems. Each adapter is designed to fit snuggly in the neck of the power steering reservoir to form an air-tight seal when vacuum is applied
- External vacuum pump such as *BK* **700-3882**, *BK* **700-1762** or *BK* **700-1008** is required
- Includes MVA660 Universal, MVA661 GM, and MVA662 Ford power steering adapters

SER **MVA670**

1.5 L FLUID EVACUATOR/DISPENSER

SER **MVA6852** fluid extractor/dispenser is a simple-to-use, syringe-action tool that features a large, 1.5 liter fluid reservoir, a twist-valve and a dual-seal piston. In addition to the fluid extractor/dispenser unit, a complimentary MVA7218 rubber ATF adapter connector is included. Ideal for vehicle service uses include fluid transfer from master cylinders, power steering fluid reservoirs, transaxles, coolant reservoirs, diesel fuel filters and cylinders.

SER **MVA6852**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

RIGHT ANGLE ADAPTER

90° Barbed connector can be interchanged with the inline connector on *SER* **MVA661** and *SER* **MVA662** for applications with limited overhead.

SER **MVA665**

ATF FLUID DISPENSING ADAPTER KIT

Kit includes 10 refill adapters to fit Ford, Toyota, BMW, Honda, Nissan, VW, Audi and Mercedes transmissions. Includes custom molded storage case.

SER **MVA5800**

1.2 GALLON FLUID DISPENSING SYSTEM

Large 1.2-gallon capacity system allows fluid to be dispensed under pressure for smooth flow. Manual pump features 5' hose, dispensing wand and hanging hook. Utilizes push-to-connect style accessory connections.

SER **MV6400**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1.9 GALLON FLUID EVACUATOR KIT

Vacuum is created quickly and efficiently by manual pump operation, offering superior mobility by eliminating the need for electricity or compressed air. Ideal for draining fluids from reservoirs on boats, RVs, ATVs, snowmobiles, farm equipment, or motorcycles. Includes accessories for draining engine oil or transmission fluid directly through dipstick tubes. Other features include: Integrated 1.9 gallon (7.3 liter) capacity reservoir, large base with foot stabilizer, durable and chemical-resistant polyethylene construction, automatic overflow prevention, and quick-drain pour spout.

Contents: Fluid evacuator, dipstick tube (0.23" O.D. x 5' L./5.7mm x 1.5m), dipstick tube (0.26" O.D. x 5' L./6.6mm x 1.5m), main evacuation tube (0.41" O.D. x 5' L./10mm x 1.5m), tube adapters, and owner's manual (English/French/Spanish).

Specifications

Reservoir Capacity: ..... 1.9 Gallon (7.3 L.)
Max. Operating Temp.: ..... 175° F (80° C)
Packaged Weight: ..... 7.5 lbs. (3.4 kg)
Dimensions (In.): ..... 25 H. x 7.5 dia.
Dimensions (mm): ..... 635 x 190

BK **700-2804**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Fluid Transfer Equipment

Mityvac

2.3 GALLON PNEUMATIVAC FLUID EVACUATOR KIT

Operates on compressed air and creates a powerful venturi vacuum for draining fluids from tanks and reservoirs. Compressed air hose attaches at base for stability. Includes accessories for draining engine oil or transmission fluid directly through dipstick tubes. Also includes brake/clutch bleeding kit for vacuum bleeding hydraulic brake and clutch systems. Other features include: Integrated 2.3 gallon (8.8 liter) capacity reservoir, large base with foot stabilizer, durable and chemical resistant polyethylene construction, independent air shut-off valve, quiet and muffled exhaust, automatic overflow prevention and quick-drain pour spout.

Contents: Fluid evacuator, dipstick tube (0.23" O.D. x 5' L./5.7 mm x 1.5 m), main evacuation tube (0.26" O.D. x 5' L./6.6mm x 1.5 m), brake/clutch bleeding adapter kit, tube adapters, and user manual (English/French/Spanish).

Specifications

Reservoir Capacity:.....2.3 Gallon (8.8 L.)
Max. Operating Temp.:..... 175° F (80° C)
Compressed Air Inlet Size:.....1/4" NPT
Packaged Weight:.....7.5 lbs. (3.4 kg)
Dimensions (In.):.....24 H. x 12.4 W. x 9.3 D.
Dimensions (mm):.....610 H. x 315 W. x 235 D.

BK **700-2803**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Mityvac

2.3 GALLON FLUID EVACUATOR PLUS

With the push of a button, this versatile unit changes from vacuum to pressure for evacuating or dispensing fluids, making it ideal for draining tanks or reservoirs, then pumping the used fluid back out for easy disposal. Multiple units work great! Simply evacuate used fluids with one unit, then quickly refill with new fluid from a second. Manual pump means compressed air or electricity is not required, which offers superior mobility. Accessories are included for draining engine oil or transmission fluid directly through dipstick tubes. Evacuates or dispenses with the push of a button. Convenient manual pump operation with integrated 2.3 gallon capacity reservoir. Other features include large foot base with stabilizer, durable and chemical-resistant polyethylene construction, automatic overflow prevention, and quick-drain pour spout.

Contents: Fluid evacuator/dispenser, 0.23" O.D. x 5' L. (5.7mm x 1.5m) dipstick tube, 0.26" O.D. x 5' L. (6.6mm x 1.5m) dipstick tube, 0.41" O.D. x 5' L. (10 mm x 1.5m) main evacuation tube, tube adapters, and owner's manual (English/French/Spanish).

Specifications

Reservoir Capacity:.....2.3 Gallon (8.8 L.)
Max. Operating Temp:..... 175° F (80° C)
Packaged Weight:.....10 lbs. (4.5 kg)
Dimensions (In.):.....24 H. x 12.4 W. x 9.3 D.
Dimensions (mm):..... 610 x 315 x 235

BK **700-2802**

⚠ **WARNING: This product can expose you to chemicals including Diisononyl Phthalate (DINP) and Lead and Lead Compounds which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

0.5 GALLON BRAKE FLUID EXCHANGER

The *BK* **JDI-050EV** makes brake bleeding clean and simple using compressed air and a venturi vacuum system. It makes removing old fluid from the master cylinder and replacing with new a single person job. It can also be used to evacuate a variety of other fluids from vehicles or small engines. Includes a bleeding tube and fluid refill bottle.

- Air on/off valve
- Chemical resistant
- Air inlet quick coupler
- Convenient carry handle
- Muffler for quiet operation
- Automatic stop to prevent overfill
- Compressed air/venturi operation
- Heavy-duty polyethylene construction
- Optional CJ-006 extractor tube set available
- Includes bleeding tube (CJ-201) and refill bottle (CJ-203)

BK **JDI-050EV**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

JohnDow Industries

1.7 GALLON HAND PUMP EVACUATOR

The manual pump activated vacuum extractor efficiently removes a variety of fluids from reservoirs on all types of vehicles and equipment. The manual pump vacuum operation eliminates the need for compressed air, making it very portable and versatile. Fluids are extracted through filler ports and dipstick tubes using the included extractor tubes.

- Chemical resistant
- Extractor tube holder
- 1.7 gal. (6.5 L) reservoir
- Convenient carry handle
- Sliding foot pedal for stability
- Automatic stop to prevent overfill
- Heavy-duty polyethylene construction
- Hand pump activated vacuum operation
- Replacement tube set available (CJ-006)
- Fluid Types: antifreeze, biodiesel, brake, chemicals, coolant, cutting fluid, degreasers, diesel, diesel exhaust fluid (DEF), E-15, engine oil, gas, gear oil, herbicide, hydraulic, kerosene, light oils, liquid soap, lubricating fluid, medium viscosity liquids, mineral spirits, oil, oil-based solvents, power steering, transmission and methanol

Contents: (1) Vacuum Fluid Extractor – Manual Pump, (1) 0.23 in. OD x 2.9 ft. long dipstick tube, (1) 0.26 in OD x 2.9 ft. long dipstick tube, (1) 0.39 in. OD x 3.2 ft. long main extraction tube

BK **JDI-172EV**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Mityvac

FLUID EXTRACTOR

Operates using a simple syringe action to quickly and cleanly extract or dispense fluids into or out of small reservoirs with up to 7 oz. (200 cc) fluid capacity. Ideal for removing used fluids from master cylinders, transaxles, power steering and coolant reservoirs prior to bleeding, fluid changes or repairs. The extractor is lightweight and easy to clean. Features a 7.5". (190mm) long flexible tube for accessing reservoirs and a non-drip cap.

SER **MVA6851**

JohnDow Industries

2.7 GALLON PNEUMATIC FLUID EVACUATOR

A wide range of fluids can be efficiently extracted from tanks and reservoirs using compressed air and a venturi vacuum system. Fluids are extracted through filler ports and dipstick tubes using the included extractor tubes.

- Air on/off valve
- Chemical resistant
- Extractor tube holder
- 2. Gal (10.5 L) reservoir
- Convenient carry handle
- Air inlet with quick coupler
- Muffler for quiet operation
- Automatic stop to prevent overfill
- Heavy-duty polyethylene construction
- Compressed air/venturi vacuum operation
- Fluid Types: Anti-freeze, biodiesel, brake chemicals, coolant, cutting fluids, degreasers, diesel, diesel exhaust fluid (DEF), E-15, engine oil, gas, gear oil, herbicides, hydraulic, kerosene, light oils, liquid soap, lubricating fluid, medium viscosity liquids, methanol, mineral spirits, oil, oil-based solvents, power steering and transmission fluids

Contents: (1) Vacuum Fluid Extractor – Pneumatic, (1) 0.23 in. OD x 2.9 ft. long dipstick tube, (1) 0.26 in. OD by 2.9 ft. long dipstick tube, (1) 0.39 in. OD x 3.2 ft. long main extraction tube

BK **JDI-277EV**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Mityvac

BRAKE BLEED CONVERSION KIT

Quickly connects to models *BK* **700-2802**, *BK* **700-2803** and *BK* **700-2804** fluid evacuators, converting them into one-person vacuum brake or hydraulic clutch bleeders. The kit contains a vacuum bleed tube with brass ball valve, universal bleed screw adapter, and adapter for connecting to the evacuator.

Specifications

Weight: .....9.3 oz. (265 g)
Size: ..... 8 in. x 12 in. x 1½ in. (150mm x 305mm x 65mm)

BK **700-2807**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TWO-WAY ROTARY PUMP KIT FOR 25 GALLON FUEL CART

Allows for pump assisted fueling when gravity flow is not an option. Two-way operation for dispensing or siphoning, and heavy-duty cast iron design. Pumps 1 gallon per 13 revolutions, carbon graphite vanes. Comes with transfer pump and 8' hose assembly. Use with Gasoline, Kerosene, and Diesel fuel types.

BK **825-5051**

⚠ **WARNING: This product can expose you to chemicals including diisononyl phthalate, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

FLUID/OIL EVACUATOR

Extract used oil or other fluids from any vehicle with this vacuum-extraction system. Great for use on cars, boats, motorcycles, and small engines. Vacuum-charged unit is completely portable and easy to use. Includes five suction probes (metal and flexible plastic with storage tube) equipped with quick-disconnect couplers for fluid extraction from dipstick and/or other opening. Also features: easy-to-read vacuum gauge, 7" wheels for easy handling, and sight tube for viewing fluid level. Adapters for BMW, Mercedes, and VW are also included. Self-evacuating features make emptying clean and easy. Steel tanks: Evacuation hose: 10 feet. 20 Gallon tank on 3-inch casters.

BK **395-2122**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

25 GALLON FUEL CART

UN/DOT and Transport Canada Approved to safely store, transport and transfer fuel. Ideal for landscape, marine, commercial and recreation applications. Can be used in its original gravity-flow form or heavy-duty two-way rotary pump kit *BK* **825-5051** (not included) can easily be added to fill fuel powered equipment when gravity won't work. Made from high molecular weight, high-density polyethylene (HMW-HDPE), making it resistant to corrosion or denting. 10" HD pneumatic tires / wheels. 10' of ¾" dispensing hose. Spring-loaded dispensing nozzle. 41 lbs weight. 2-gpm gravity flow fueling capacity. Unit Dimensions are 43" H x 22" w x 17" D. Fluid capacity: 25-Gallon

BK **811-1135**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OIL EVACUATION SYSTEM

Portable fluid evacuation for automotive, heavy-duty and industrial purposes. Includes container, suction hose with tap, brake bleeder hose and suction hoses. 130 psi max with up to 6 L per minute. Air Connection Size: ¼" BSP. Tank Capacity: 1.8 gallon

SER **3575**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

Fluid Transfer Equipment

25 GALLON FUEL TRANSFER CADDY

Safe and easy-to-use, two-way rotary pump for fuel siphoning or dispensing. Features UL Listed two-way rebuildable rotary hand pump, fill gauge, ground wire with clamp, fire-screened vent/filler combination and dolly handle for ease of movement. Ideal for draining fuel tanks before repairs or removal. Complies with OSHA approved guidelines, the only certified, UL Listed Gas Caddy in North America. Made in the USA.

BK **392-1704**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TRANSFER/STORAGE TANK FUEL FILTER

For Discontinued *BK* **809-5210**

Efficiently removes small particles and other contaminants from fuel. Effective for both gas and diesel.

BK **827-5550**

MOTORVAC® MV3 GASOLINE ENGINE DETERGENT

Designed for use in MotorVac® CarbonClean™ equipment. MV3 is a proprietary gasoline engine detergent that can also be used in any other fuel system service requiring a fuel-cleaning mixture.

BK **700-2378** 8 fl. oz. (Case of 12)

MOTORVAC® AIR INTAKE DETERGENT

A proprietary detergent formula for de-coking intake plenums. Also cleans throttle plates and idle bypass circuits. The perfect replacement for any top engine application requirement.

BK **700-2379** 8 fl. oz. (Case of 12)

FUEL INJECTOR CLEANING FLUID

A clean fuel injector means a cleaner running, more efficient engine with lower emissions. Inject-R Kleen is formulated specifically for cleaning and restoring injectors to their original spray pattern, while helping to prevent recurring problems. Reduces intake and port deposits. For use with canister-type Fuel Injector Cleaner (*BK* **700-2123**). **CAUTION: Not intended for use as a fuel additive. DO NOT pour into fuel tank.**

BK **700-2121** 16 fl. oz.

⚠ **WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.**

LEAKCHEK™ PLUS LEAK DETECTION SYSTEM

Portable, accurate and fast visual leak-detection system reduces diagnostic time by providing repeatable and accurate diagnoses. Illuminating vapor trace pinpoints leaks at the source. Features power and run indicator lights. System includes refillable vapor container, 12-foot vapor hose and lightweight, sturdy rotomolded cabinet. Powder coated finish. Power: 12 V DC.

Item No.	Description
BK **700-3124**	UltraTrace™ UV Dye Smoke Solution

UV DYE SMOKE SOLUTION

Oil refill for all NAPA® Evap testers. The only solution approved by Chrysler, Ford and GM. Will not harm the activated charcoal canister, purge valve, catalytic converters, O2 sensors, seals, or gaskets and will not void factory warranty.

BK **700-3124** 16 fl. oz.

6 GALLON FLUID EVACUATOR

Fluid evacuators are designed to remove used oil and other non-flammable fluids from almost any vehicle when conventional draining methods are not practical, using compressed air and an on-board venturi vacuum system.

- Sight tube for quick indication of fluid level
- 7 in. wheels and casters are oil and chemical resistant for longer life
- 7 ft. suction hose
- Easy-to-read vacuum gauge
- Suction capacity: 4 gal.
- Suction speed: .04 - .05 gpm
- Convenient storage tube for suction probes
- Self-evacuating with 10 ft. quick disconnect evacuation hose
- 60 - 90 seconds depressurization time
- 110 - 115 psi air pressure for vacuum
- Heavy duty steel construction

BK **715-4688**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ALUMINUM DRUM WRENCH

Ideal for use with plastic or metal drum bungs. Opens and tightens most 2" (50 mm) & ¾" (19 mm) drum plugs. Aluminum construction permits use with hazardous materials.

- Non-sparking cast aluminum
- Offset handle for increased leverage
- Overall length: 10½" (275 mm)
- Lightweight and compact design for easy storage
- Hardened and tempered for increased strength
- Weight: 8 oz. (225 g)

BK **715-1578**

HOPKINS

TOPSIDER MULTI-PURPOSE VACUUM PUMP FLUID EVACUATOR

The Topsider's reliability, convenience and versatility make it one of the top fluid removing system in the marine and automotive aftermarket. The pump uses a vacuum to pull out the old fluid, eliminating the mess of a standard fluid change.

- Good for inboard and outboard boats, large engines and multiple small engine changes
- No electricity needed
- Durable steel construction
- Includes tubing to extract fluid
- Vacuum powered
- 8 Qt. Fluid Capacity
- .25 In. Hose O.D.
- 12.5" W x 12.5" H x 12.5" D

BK **700-2654**

⚠ **WARNING: This product can expose you to chemicals including DEHP, which is known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HOPKINS

LIQUIVAC SMALL ENGINE FLUID EVACUATOR

This model provides a simple, fast and clean way to change your lawn and garden equipment's oil. It's also good for other small engine oil changes such as snow throwers, Harley's, generators, ATV's & most 4 cycle engines.

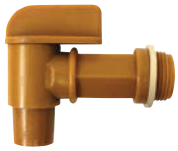
- No electricity needed
- Estimated vacuum time:
  1 qt. = 14 seconds,
  2 qt. = 1-2 minutes
- Includes tubing to extract fluid
- Vacuum powered
- 3 Qt. Fluid Capacity
- .45 In. Hose O.D.
- 15.5" L x 5" W x 8.75" H

BK **700-2653**

⚠ **WARNING: This product can expose you to chemicals including DEHP, which is known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LUMAX Lubrication Equipment

3/4 IN. PLASTIC DRUM FAUCET



Plastic drum faucet, ¾ in. NPT recommended for dispensing non-corrosive fluids and lightweight oils.

- Liquid temperature range: 40°-140° F (4°-60° C)
- Fits ¾ in. neck
- Comes with leak-proof EPDM gasket
- For non-flammable liquids only
- Can be adjusted to dispensing position without thread damage or leakage
- Tough and durable polyethylene material for good resistance to chemicals

BK **715-1579**

HOPKINS

LIQUIVAC OIL CHANGING SYSTEM

This model is large enough to handle several oil changes at one time without recycling or emptying it. It works great for large engines such as hard to change boats, trucks and cars. It's also very handy for changing transmission oil and hydraulic fluids.

- No electricity needed
- Estimated vacuum time:
  1 qt. = 14 seconds,
  2 qt. = 1-2 minutes,
  4-5 qt. = 8-10 minutes
- Includes tubing to extract fluid
- Vacuum powered
- 8 Qt. fluid capacity
- .25 In. Hose O.D.
- 17" L x 7" W x 10.75" H

BK **700-2652**

⚠ **WARNING: This product can expose you to chemicals including DEHP, which is known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LUMAX Lubrication Equipment

PLASTIC BUCKET PUMP W/FLEX HOSE

Ideal for transferring non-corrosive fluids of light to medium viscosity like: anti-freeze, detergents, engine oil, fuel oils, gear oils, motor oils, lubricating oils, transmission fluid, synthetic oils, diesel fuel, jet fuel, kerosene, brake cleaner etc.

- Precision nitrile (nbr/buna-n) seal eliminates bypass
- Zinc-plated, corrosion-resistant suction tube
- 1 in. (25 mm) inlet port & ¼ in. (6 mm) outlet port
- Pump height: 20 in. (50 cm)
- 5-6.5 gal. (20-25 l) capacity
- Self-priming, push-down action pump
- Discharge capacity: 3 fluid ounces (90 ml) per stroke
- Drain-back nozzle prevents spills & accidents
- Plastic bucket pump w/ zinc-plated steel tube for transferring noncorrosive fluids of light to medium viscosity like, engine oil, gear oils, transmission fluid, machine oil, & antifreeze
- Wetted components: steel, nbr/buna-n (fluoropolymer elastomer), aluminum, nylon, polypropylene (pp), pvc
- Contents: Extra bung adapter (2¼ in. x ⅛ pitch), 50 in. (1.3m) oil-resistant flex hose with non-drip nozzle.

BK **715-1576**

LUMAX Lubrication Equipment

2 IN. SELF-CLOSING ALLOY BODY DRUM FAUCET

Self-closing, alloy body drum faucet, ¾ in. NPT. Self-closing safety design.

- Lever can be locked with a padlock
- Comes with leakproof nylon valve
- 50 psi (3.5 bar) pressure rating
- Zinc alloy die-cast body with zinc plated steel lever

BK **715-1580**

Fluid Transfer Equipment

MULTI-PURPOSE HAND TRANSFER PUMP SIPHON PUMP

Easy to use, highly versatile multi-use pump - works for fluid transfer, siphon and air-inflation. Comes with extra-long hoses for easier access & fluid transfer. Ideal for handyman, automotive, marine, & farm use. Great for oil changes & siphoning gasoline

- Use on a variety of small engines: atv's, boats, jet skis/pwc, chainsaws, generators, lawn tractors, snowmobiles, edger's, trimmers, leaf blowers, snow throwers, farm equipment & light commercial equipment
- Works as an air pump for inflation of toys, sporting balls, bike tires, air mattresses, pool or beach toys and more
- Drains up to 3 gal. (12 L) per minute for fast transfers that are mess-free
- Wetted components: polypropylene (pp). Nitrile (buna-n/nbr). Steel. PVC
- Fast & easy transfer of gas, oil, air & other fluids when needed
- Contents: 2 pc., ½ in. (12mm) dia. X 50 om/ (127 cm) long intake & output hoses, 16 in. (40 cm) air pressure hose, air chuck, inflator nozzle, inflating needle.

BK **715-1577**

3/4 IN. SELF-CLOSING ALUMINUM BODY DRUM FAUCET

- Self-closing, aluminum drum faucet, 2" NPT.
- Convenience and safety in one with the die-cast aluminum self-closing "push-button" faucet
- Ideal for working with fluids that are chemically compatible with aluminum
- Used for detergents, oils, water, soaps, mild acids and alcohols, dyes or lubricants compatible with faucet materials

BK **715-1581**

COMPRESSION ADAPTER FOR FORD TRITON ENGINES

Features 16mm male thread and 14mm standard reach female thread for use with Mityvac compression test kit.

SER **MVA5507**

1.25 IN. DIESEL GLOW PLUG ADAPTER

For use with Mityvac diesel compression test kit for Ford International VT365 and Ford Power Stroke 6.0l engines. Size: M14 x 1.25".

SER **MVA5610**

1 IN. DIESEL GLOW PLUG ADAPTER

For use with Mityvac diesel compression test kit for Ford Navistar 7.3l Power Stroke engines. Size: M14 x 1".

SER **MVA5605**

25 GALLON POLY DIESEL CADDY

This portable poly fuel caddy provides a safe, effective and affordable method for storing and transferring diesel fuel. Ideal for many applications including automotive, landscaping, marine, commercial and recreation. UN/DOT and Transport Canada approved.

- Molded handle is designed for comfort and balance when transporting
- 43 in. H x 22 in. W x 17 in. D
- 41 lbs.
- 10 in. pneumatic tires and steel wheels make it easy to move the fuel cart on any surface
- Fill and transport in 'lay flat' horizontal position
- Can be used in its original gravity-flow form or heavy-duty two-way rotary pump kit, *BK* **825-5051**
- Made from high molecular weight, high-density polyethylene, making them resistant to corrosion or denting
- Molded center baffle provides strength and prevents 'sloshing' of fuel

BK **715-4687**

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

15 GALLON POLY FUEL CADDY

This portable poly fuel caddy provides a safe, effective and affordable method for storing and transferring fuel. Ideal for many applications including automotive, landscaping, marine, commercial and recreation. UN/DOT and Transport Canada approved.

- 8 in. heavy duty pneumatic tires and steel wheels make it easy to move the fuel cart on any surface
- Can be used in its original gravity-flow form or heavy-duty two-way rotary pump kit, *BK* **825-5051**
- Molded handle is designed for comfort and balance when transporting
- Molded center baffle provides strength and prevents 'sloshing' of fuel
- 2 in. filler neck makes refilling easy and the vented cap keeps the tank closed and provides pressure relief when required
- 34 in. H x 22 in. W x 17 in. D
- 8 ft. dispensing hose
- Fill and transport in 'lay flat' horizontal position
- 2 gpm gravity flow design
- 36 lbs.
- Made from high molecular weight, high-density polyethylene, making them resistant to corrosion or denting

BK **715-4686**

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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THE #1 NAME IN HOME STANDBY POWER
"POWER FOR EVERY BUDGET"

How long can your shop go without power….?
– Never worry again !

Generac offers the broadest line of home standby generators in the industry!

Call 1-888 GENERAC (1-888-436-3722) for more information

GENERATOR – PORTABLE GENERAC GP6500

- Generac OHV engine with splash lubrication provides a long engine life and PowerRush technology – delivering 40% increased starting capacity*. *Increases electrical current upon demand above rated output when starting electric motors.
- Large capacity steel fuel tank ensures long 10+ Hr run time at 50% load.
- Wrapped in a hardened1 1 ¼" steel tube cradle for added durability.
- Can easily be transported across uneven surfaces with heavy duty wheels and feet.
- Four 120V/20A ports (household extension cords), one 120/240V twist lock available for hardwired items.
- Hour meter keeps track of service intervals.

Specifications:

AC Rated output running watts 6500
AC Maximum Output starting watts 8125
Engine Displacement: 389cc

Item No.	Description
PPG **7680**	GP6500W Portable Generator, 49 state.
PPG **7683**	GP6500W Portable Generator, 50 State (CA approved)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GENERATOR – PORTABLE GENERAC GP3600

- GP3600 delivers great power at a great price – enough for small appliances and lights to get through the storm, or work needs on the job site.
- Generac OHV engine with splash lubrication provides a long engine life and PowerRush technology – delivering 40% increased starting capacity*. *Increases electrical current upon demand above rated output when starting electric motors.
- Wrapped in a hardened 1 ¼" steel tube cradle for added durability.
- Four 120V 20A ports (household extension cords), one 120 twist lock available for hardwired items.
- Hour meter keeps track of service intervals.

Specifications:

AC Rated output running watts 3600
AC Maximum Output starting watts 4500
Engine Displacement: 212cc

Item No.	Description
PPG **7677**	GP3600W Portable Generator, 49 state.
PPG **7678**	GP3600W Portable Generator, 50 State (CA approved)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

7500/6000 WATT 30A 120/240V RECOIL START GAS PORTABLE GENERATOR

Compact. Powerful. Reliable. The NAPA6000 portable generator features brilliant design and quality you can expect from NAPA. Best used for camping, backup power and work.

FMR **NAPA6000**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

3300/3000 WATT RECOIL START INVERTER PORTABLE GENERATOR CARB AND CETL CERTIFIED

Reliable. Quiet. The MT3000i is Parallel Ready. Best used for camping, tailgating and recreational use power supply. California Emission Certified

FMR **MT3000i**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

4550/3650: GAS 4100/3300: LPG WATT ELECTRIC START GAS OR PROPANE DUAL FUEL GENERATOR CARB AND CETL CERTIFIED

- 208cc Dual Fuel engine with low oil shut off and cast iron sleeve
- 5 gal. tank provides up to 14hrs of run-time. Propane tank not included
- RV ready control panel with covered outlets
- 8" Heavy Duty Wheels and High Folding Handle
- 3 Year Warranty

FMR **H03651**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

7125/5700: GAS 7125/5700: LPG WATT 30A 120/240V ELECTRIC START GAS OR PROPANE DUAL FUEL PORTABLE GENERATOR CARB CERTIFIED

- 439cc Dual Fuel engine with low oil shut off and cast iron sleeve
- 8 gal. tank provides up to 12hrs of run-time. Propane tank not included
- Multi feature control panel with covered outlets
- 10" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit and 5.5 ft LPG regulator hose
- 3 year warranty

FMR **H05751**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

10000/8000: GAS 9050/7250: LPG WATT 50A 120/240V ELECTRIC START GAS OR PROPANE DUAL FUEL PORTABLE GENERATOR CARB CERTIFIED

- 439cc dual fuel engine with low oil shut off and cast iron sleeve
- 8 gal. tank provides up to 12hrs of run-time. Propane tank not included
- Multi feature control panel with covered outlets
- 10" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit and 5.5 ft LPG regulator hose
- 3 year warranty

FMR **H08051**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

1500/1200 WATT RECOIL START GAS PORTABLE GENERATOR CARB AND CETL CERTIFIED

- 80cc engine with low oil shut off and cast iron sleeve
- 1.7 gal. tank with fuel gauge provides up to 10hrs of run-time
- Multi feature control panel with covered outlets
- Lightweight portable design
- Includes engine oil, funnel and assembly tool kit
- 3 year warranty

FMR **P01201**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Note: Everything you need is in the box including: oil, funnel, operator's manual, and spark plug wrench.

FIRMAN POWER EQUIPMENT

4550/3650 WATT RECOIL START GAS PORTABLE GENERATOR CARB CERTIFIED

- 208cc engine with low oil shut off and cast iron sleeve
- 5 gal. tank provides up to 14hrs of run-time
- RV ready multi feature control panel with covered outlets
- Includes engine oil, funnel and assembly tool kit
- 3 year warranty

FMR **P03607**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

4550/3650 WATT 30A 120/240V REMOTE START GAS PORTABLE GENERATOR CARB AND CETL CERTIFIED WITH WHEEL KIT

- 208cc, low oil shut down, cast iron sleeve with integrated easy oil drain
- 5 gal. tank provides up to 14hrs of run-time
- RV ready multi feature control panel
- 8" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit
- 3 year warranty

FMR **P03617**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

4550/3650 WATT RECOIL START GAS PORTABLE GENERATOR CARB CERTIFIED WITH STARS AND STRIPES PRINT

- 208cc, low oil shut down, cast iron sleeve with integrated easy oil drain
- 5 gal. tank provides up to 14hrs of run-time
- RV ready multi feature control panel
- 8" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit
- 3 year warranty

FMR **P03618**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

4550/3650 WATT 30A 120/240V RECOIL START GAS PORTABLE GENERATOR CARB & CETL CERTIFIED WITH WHEEL KIT

- 208cc, low oil shut down, cast iron sleeve with integrated easy oil drain
- 5 gal. tank provides up to 14hrs of run-time
- RV ready multi feature control panel
- 8" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit
- 3 year warranty

FMR **P03619**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

4550/3650 WATT 30A 120/240V REMOTE START GAS PORTABLE GENERATOR CARB & CETL CERTIFIED WITH WHEEL KIT

- 208cc, low oil shut down, cast iron sleeve with integrated easy oil drain
- 5 gal. tank provides up to 14hrs of run-time
- RV ready multi feature control panel
- 8" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit
- 3 year warranty

FMR **P03620**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

7125/5700 WATT 30A 120/240V REMOTE START GAS PORTABLE GENERATOR

- 389cc Performance engine With low oil shut off and cast iron sleeve
- 8 gal. Tank Provides 12hrs of run-time
- Multi feature control panel with covered outlets
- 10" Heavy Duty Wheels and High Folding Handle
- Includes engine oil, funnel and assembly tool kit
- 3 Year Warranty

FMR **P05702**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

Note: Everything you need is in the box including: oil, funnel, operator's manual, and spark plug wrench.

FIRMAN POWER EQUIPMENT

10000/8000 WATT 50A 120/240V REMOTE START GAS PORTABLE GENERATOR CARB CERTIFIED

- 439cc Performance engine with low oil shut off and cast iron sleeve
- Delivers True 30A & 50A Power
- 8 gal. Tank Provides 12hrs of run-time
- RV ready multi feature control panel with covered outlets
- 10" Heavy Duty Wheels and High Folding Handle
- 3 Year Warranty

FMR **PO8003**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

11600/9300 WATT 50A 120/240V REMOTE START GAS PORTABLE GENERATOR CARB CERTIFIED

- 459cc Performance engine with low oil shut off and cast iron sleeve
- Delivers True 30A & 50A Power
- 8 gal. Tank Provides 12hrs of run-time
- Multi feature control panel with covered outlets
- 10" Heavy Duty Wheels and High Folding Handle
- 3 Year Warranty

FMR **P09301**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

GAS: 10000 / 8000 WATT - LPG: 9050 / 7250 WATT - NG: 8000 / 6400 WATT 50A 120/240V ELECTRIC START TRI FUEL PORTABLE GENERATOR EPA AND CARB CERTIFIED

- 439cc Tri fuel engine with low oil shut off and cast iron sleeve
- 8 gal. tank provides 12hrs of run-time. Propane tank not included
- Multi feature control panel with covered outlets
- 10" Heavy Duty Wheels and High Folding Handle
- Includes 5.5 ft LPG regulator hose
- 3 year warranty

FMR **T08071**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

2100/1700 WATT RECOIL START INVERTER PORTABLE GENERATOR CARB AND CETL CERTIFIED. WITH L5-30P TO TT-30R ADAPTER

- 80cc engine with low oil shut off and cast iron sleeve
- Less than 3% Low THD-Clean power
- 0.9 gal. tank with fuel gauge provides up to 10hrs of run-time
- Multi feature control panel with covered outlets
- FIRMAN Eco Mode varies engine speed depending on load for maximum fuel efficiency
- 3 year warranty

FMR **W01784**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

3650/3300 WATT REMOTE START INVERTER PORTABLE GENERATOR CARB AND CETL CERTIFIED

- 193cc engine with low oil shut off and cast iron sleeve
- 1.8 gal. tank provides up to 10hrs of run-time
- FIRMAN Eco Mode varies engine speed depending on load for maximum fuel efficiency
- Less than 3% Low THD-Clean power
- Multi feature control panel with covered outlets
- 3 year warranty

FMR **W03383**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

3300/3000 WATT ELECTRIC START DUAL FUEL INVERTER PORTABLE GENERATOR PARALLEL READY CARB AND CETL CERTIFIED

- 171cc dual fuel engine with low oil shut off and cast iron sleeve
- 1.8 gal. tank provides 10hrs of run-time. Propane tank not included
- RV ready multi feature control panel with covered outlets
- Less than 3% Low THD-Clean power
- 5.5" Heavy Duty Wheels and Folding Handle
- 3 year warranty

FMR **WH03042**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Note: Everything you need is in the box including: oil, funnel, operator's manual, and spark plug wrench.

FIRMAN POWER EQUIPMENT

FMR **1008**

FMR **1007**

FMR **1002**

PORTABLE GENERATOR COVER

- Double insulated
- Durable exterior finish built to last for years
- Easy to install
- Durable pull cord to keep your cover secure even in windy conditions
- 120 day warranty

Item	Description
FMR **1002**	Fits 2700-5000 Watt Generators or up to 25.4" X 18.3" X 19.5"
FMR **1006**	Fits 1000-2000 Watt Generators or up to 17.5" X 14.1" X 15.1"
FMR **1007**	Fits 2700-3500 Watt Generator or up to 22.8" X 17.3" X 17.9"
FMR **1008**	Fits 1500-2700 Watt Generator or up to 18.9" X 11.8" X 15.4"
FMR **1009**	Fits Large Generators 5000 Watts and up or up to 29.5" X 21.7" X 24"

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

25 FT. OUTDOOR POWER CORD

- 25ft Length 10 Gauge
- 3750 Watt Output/30A Wiring
- Fully insulated, rated for outdoor use
- 2 year warranty

FMR **1110**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

25 FT. OUTDOOR POWER CORD

- 25 ft. Length 10 Gauge
- 3750 Watt Output/30A Wiring
- Fully insulated, rated for outdoor use
- Split outlet configuration allows easy connection to multiple devices
- Individual circuit breakers for each outlet providing maximum protection
- 2 year warranty

FMR **1101**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

50A PARALLEL KIT

- LED panel for improved visibility
- Built in compartment for parallel cords
- Compact portable design
- Easy to operate
- 2 year warranty

FMR **1201**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

25 FT. OUTDOOR POWER CORD

- 25ft Length 10 Gauge
- 3750 Watt Output/30A Wiring
- Fully insulated, rated for outdoor use
- Split outlet configuration allows easy connection to multiple devices
- Individual circuit breakers for each outlet providing maximum protection
- 2 year warranty

FMR **1105**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

25 FT. MEDIUM DUTY 5-15P TO 5-15R GENERATOR UTILITY POWER CORD WITH STORAGE STRAP

- 25 ft. Length 14 Gauge
- 1875 Watt Output / 15A Wiring
- Fully insulated, rated for outdoor use
- Perfect for bundling cables
- 2 year warranty

FMR **2005**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

25 FT. MEDIUM DUTY 5-15P TO (3) 5-15R GENERATOR UTILITY POWER CORD WITH STORAGE STRAP

- 25 ft. Length 14 Gauge
- 1875 Watt Output / 15A Wiring
- Fully insulated, rated for outdoor use
- Perfect for bundling cables
- 2 year warranty

FMR **2015**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

50 FT. MEDIUM DUTY 5-15P TO (3) 5-15R GENERATOR UTILITY POWER CORD WITH STORAGE STRAP

- 5o ft. Length 14 Gauge
- 1875 Watt Output / 15A Wiring
- Fully insulated, rated for outdoor use
- Perfect for bundling cables
- 2 year warranty

FMR **2020**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

50 FT. MEDIUM DUTY 5-15P TO 5-15R GENERATOR UTILITY POWER CORD WITH STORAGE STRAP

- 50 ft. Length 14 Gauge
- 1875 Watt Output / 15A Wiring
- Fully insulated, rated for outdoor use
- Perfect for bundling cables
- 2 year warranty

FMR **2010**

Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov

FIRMAN POWER EQUIPMENT

OUTDOOR POWER CORD

- 1.6 ft. Length 10 Gauge
- 5000 Watt Output/30A Wiring
- Fully insulated, rated for outdoor use
- Combo outlet(square style) configuration allows easy connection to multiple devices
- Split circuit breakers for each pair outlet providing maximum protection
- 2 year warranty

FMR **1160**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

OUTDOOR POWER CORD

- 1.6 ft. Length 10 Gauge
- 5000 Watt Output/30A Wiring
- Fully insulated, rated for outdoor use
- Combo outlet(square style) configuration allows easy connection to multiple devices
- Split circuit breakers for each pair outlet providing maximum protection
- 2 year warranty

FMR **1155**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

3 FT. OUTDOOR POWER CORD

- 3ft Length 10 Gauge
- 3750 Watt Output/30A Wiring
- Fully insulated, rated for outdoor use
- Split outlet configuration allows easy connection to multiple devices
- Individual circuit breakers for each outlet providing maximum protection
- 2 year warranty

FMR **1115**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

HEAVY DUTY POWER ADAPTER (TT-30P TO L5-30R)

- 3750 Watt Output
- Easy to operate
- Compact portable design
- UL Certification
- 120 day warranty

FMR **1610**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

HEAVY DUTY POWER ADAPTER (L5-30P TO TT-30R)

- 3750 Watt Output
- Easy to operate
- Compact portable design
- UL Certification
- 120 day warranty

FMR **1605**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

10 FT. NATURAL GAS HOSE

- ½" NG hose kit

FMR **1805**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

MULTI USE VELCRO STORAGE STRAP WITH HANDLE

- Perfect Storage solution for power cords,ropes,hoses,Christmas lights
- Hangs neatly from the triangle ring
- Versatile design
- Hold up to 22lbs.
- 120 day warranty

FMR **1705**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

8 IN. WHEEL KIT AND HANDLE

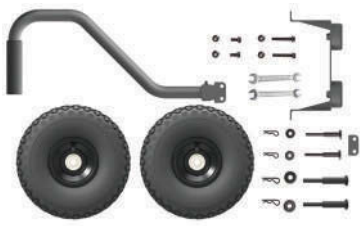
Note: All tools necessary for installation are included

- Fits 3000 – 4900 Watt FIRMAN Generators
- Instant portability
- Tools included
- Easy to install
- Support leg with vibration reduction mounts
- 120 day warranty

FMR **1003**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

11" WHEEL KIT AND HANDLE



Note: All tools necessary for installation are included

FMR **1505**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including lead, Which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

INDEX

Generators

9,000 WATTS PORTABLE GAS GENERATOR

- 9,000 Max Watt Output
- 7,100 Running Watt Output

Receptacles

- 6 x 120V GFCI
- 1 x 120V Twistlock
- 1 x 240V Twistlock
- 12V DC

Benefits

- Electric Start
- Low Oil Shutdown
- 8" Wheel Kit
- AVR

POWER EASE

BEP **BE9000ER**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

6,500 WATTS PORTABLE GAS GENERATOR

- 6,500 Max Watt Output
- 5,500 Running Watt Output

Receptacles

- 4 x 120V GFCI
- 1 x 120V Twistlock
- 1 x 240V Twistlock
- 12V DC

Benefits

- Electric Start
- Low Oil Shutdown
- 8" Wheel Kit
- AVR

POWER EASE

BEP **BE6500ER**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3,500 WATTS PORTABLE GAS GENERATOR

- 3,500 Max Watt Output
- 2,800 Running Watt Output

Benefits

- 208cc OHV Engine
- Recoil Start
- Fuel Tank Capacity: 3.9 Gal (15L)
- Noise level: 70DB @7M
- Run Time @ full load : 9H

Receptacles

- 4 x 120V 20A Duplex
- 1 x 120V 24A Twistlock

POWER EASE

BEP **BE3500PS**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

4,200 WATTS PORTABLE GAS GENERATOR

- 4,200 Max. Watt, 3,500 Running Watt Output
- 223cc Powerease
- Recoil Start
- Low Oil Shutdown
- 4200 Max Watt Output
- 3500 Running Watt Output
- Fuel Gauge
- 9" Flat Free Tires
- Voltage Selector
- Rated Amp: 29.1A/14.6A
- Max Amp: 35A/17.5A

Receptacles:

- 2 x 120V 20A Duplex
- 1 x 120V/240V 4 prong twistlock

POWER EASE

BEP **BE4200PS**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

12,000 WATTS PORTABLE GAS GENERATOR, ELECTRIC START

- 459cc Powerease
- Low Oil Shutdown
- 12000 Max Output
- 9000 Running Output
- Hour Meter
- Fuel Gauge
- Circuit Breakers
- 9" Flat Free Tires Included
- Low Oil Shutdown
- 26.5L/7 Gal Fuel Tank Capacity
- Battery Included

Receptacles:

- 2 x 120V 20A Duplex
- 1 x 120V 30A Twistlock
- 1 x 120V/240V Twistlock
- 12V DC 8.3A

POWER EASE

Specifications

Run time per tank:..... 7H @ full load

BEP **BE12000ES**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

7500/6000 WATT 30A 120/140V RECOIL START GAS PORTABLE GENERATOR

Compact. Powerful. Reliable. The *BK* **NAPA6000** portable generator features brilliant design and quality you can expect from NAPA. Best used for camping, backup power and work.

- Durable roll cage frame design
- 8 Gal. tank provides 12 hours of run time
- Multi feature control panel with covered outlets
- 10 in. Heavy-duty never-flat wheels and high folding handle
- 389 cc Performance gasoline engine with low oil shut off and cast-iron sleeve

BK **NAPA6000**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

MAXI TRAC® 3300/3000 WATT RECOIL START INVERTER PORTABLE GENERATOR

Reliable. Quiet. The *BK* **MT3000i** is parallel ready. 3300/3000 Water Inverter that can be taken anywhere, giving the power needed for camping, tailgating and work. Parallel capable but parallel cables are not provided.

- 1.8 Gal. tank provides 10 hours of run time
- 5.5 in. Heavy-duty never-flat wheels with folding handle
- 193 cc Gasoline engine with low oil shut-off and cast-iron sleeve
- RV ready multi feature control panel with covered outlets
- CARB and CETL Certified, California Emission Certified

BK **MT3000i**

⚠ **Warning!: This product and the engine exhaust from the product can expose you to chemicals including CO, which are known to the State of California to cause cancer or cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov**

1,200 WATTS INVERTER

- 60cc Powerease
- Recoil Start
- 1,200 Max. Watt, 1,000 Running Watt Output
- 12V DC
- 1 x 120V Duplex (20A)
- Rated Amp: 8.3A
- Max Amp: 9.16A
- Breaker: 8A
- 2 USB Ports
- Automatic Throttle Saves Fuel
- Parallel Capability
- Ultra Quiet-Running

Specifications

Decibel rating:.....57db @ rated load
.....64db @ full load

BEP **BE1200I**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

2,100 WATTS INVERTER

- Recoil Start
- 79cc Powerease
- 2,100 Max. Watt, 1,800 Running Watt Output
- Ultra Quiet-Running
- Automatic Throttle
- 12V DC 8.3A, 120V Duplex (20A), 2 USB Ports

BEP **BE2100I**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3,500 WATTS INVERTER

- 212cc Powerease
- Recoil Start
- 3,500 Max. Watt, 3,000 Running Watt Output
- 2x USB Ports
- 1 x 120V 20A Duplex
- 1 x 120V 20A Twistlock
- 12V DC 8.3A
- Automatic Throttle Saves Fuel
- 4.2/1.1 Gal Fuel Tank Capacity
- Parallel Capability
- Ultra Quiet-Running

Specifications

Decibel rating:.....59db @ rated load
.....53db @ ¼ load

BEP **BE3500IP**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3,600 WATTS INVERTER

- 212cc Powerease
- Electric Start
- 3,600 Max. Watt, 3,000 Running Watt Output
- 2x USB Ports
- Led Control Panel
- 1 x 120V 20A Duplex
- 1 x 120V 20A Twistlock
- 12V Dc 8.3A
- Automatic Throttle Saves Fuel
- 4.2/1.1 Gal Fuel Tank Capacity
- Parallel Capability
- Ultra Quiet-Running

Specifications

Decibel rating:.....59db @ rated load
.....53db @ ¼ load

BEP **BE3600IE**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

INDEX

Pressure Washers

GEYSER HOT WATER PRESSURE WASHER

3,000 PSI Industrial grade hot water pressure washer with Honda pull start gasoline engine for easy start. Adjustable pressure dual lance wand, Schedule 80 coil for long life and (4) Pneumatic wheels for ease of portability.
Manufacture in USA

Specifications:

Motor: ..... Honda GX270 (9HP) gasoline engine with recoil start.
.....12 Volt U1 battery required
Control:..... ON/OFF burner switch
Water Pump:.....Industrial Triplex Direct Drive Plunger Pump with
..... ceramic plungers and brass manifold
Volume: .....3 gallons per minute
Pressure: ..... 3,000 PSI
SDS System……: .... Soft damping system for protection of coil
..... and high pressure components
Temperature:..... Up to 200° F hot water
Burner Coil: .....Vertical configuration coil, 350,000 BTUs with ½" ID coil
Fuel Tank:..... Integral 4.5 gallon fuel tank corrosion proof polyethylene
Burner: .....Oil fired burner with fuel/water filter separator burning
.....kerosene, #1 or #2 diesel fuel oil
Wand/Gun:.....Variable pressure insulated dual lance wand with
.....quick connect nozzles change capability.
.....Trigger control gun with easy press trigger
Hose:.....50 ft. Length wire braided hose with quick disconnect fittings
Spray Tip: …… (4) 0°,15°,25° and 40° quick change sprayer nozzles
Detergent:.....Adjustable metering detergent injector valve for low
.....pressure detergent application and high pressure
..... rinse control by dual lance wand
Frame: ..... Structural steel frame with wheel brake, built-in wand holder
.....and (4) 13" pneumatic wheels for portability
Dimensions:..... 46" L x 33" W x 46" H
Weight: ..... 540 lbs.
Manual: ..... (1) operation manual and safety manual in English/Spanish

BK **81-GT330H**

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER HOT WATER PRESSURE WASHER

4,000 PSI Industrial grade hot water pressure washer with Honda pull start gasoline engine for easy start. Adjustable pressure dual lance wand, Schedule 80 coil for long life.
Manufacture in USA

Specifications:

Motor: .....Honda GX390 (13HP) gasoline engine with electric start
.....12 Volt U1 battery required
Control:..... ON/OFF burner switch
Water Pump:.....Industrial Triplex Direct Drive Plunger Pump
.....with ceramic plungers and brass manifold
Volume: ..... 4 Gallons per minute
Pressure: ..... 4,000 PSI
Float Tank ..... Stainless steel float tank for corrosion protection
SDS System: ..... Soft damping system for protection of coil
..... and high pressure components
Temperature:.....up to 200° F Hot Water
Burner Coil .....Vertical configuration coil, 350,000 BTUs
..... with ½" ID For long life
Fuel Tank:..... Integral 8 gallon fuel tank corrosion proof polyethylene
Burner: .....Oil-fired burner with fuel/water filter separator
.....burning Kerosene, #1 or #2 diesel fuel oil
Wand/Gun .....Pressure insulated lance wand with quick connect
..... nozzles change capability Trigger control
..... with easy press trigger
Hose:.....50 ft. length wire braided hose with quick-disconnect fittings
Spray Tip: .....(4) 0, 15, 25 and 40° spray nozzles
Detergent:..... Adjustable metering detergent injector valve for
..... high pressure detergent and high pressure rinse
..... control by metering valve on front panel
Frame: .....Structural steel frame for truck or trailer mount
Dimensions:..... 46" L x 32" W x 48" H
Weight: .....575 lbs.
Manual: .....(1) Operation manual and safety manual in English/Spanish

BK **81-GT440H**

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER HOT WATER & STEAM PRESSURE WASHER

2,000 PSI Industrial grade hot water/ Steam pressure washer with powerful 4 HP electric motor. Adjustable pressure dual lance wand, Schedule 80 coil for long life and (4) Pneumatic wheels for ease of portability.
Manufacture in USA

Specifications:

Motor: ..... 4 HP Electric Motor, 220 V, Single Phase, 60 Hz 20 Amps
Control:.....Off/Pump/Burner Switch
Water Pump:.....Industrial Triplex Direct Drive Plunger Pump
.....with Ceramic Plunger and Brass Manifold
Volume: .....3 Gallons per minute (11.35 LPM)
Pressure: .....2000 PSI (180 Bar)
SDS System: .....Soft Damping System for protection of coil
..... and high pressure components
Temperature:..... Up to 275° F Cold/Hot/Steam
Burner Coil:..... Vertical Configuration Coil, 350,000 BTUs
..... with ½" ID Pipe for long life
Fuel Tank:..... Integral 4.5 gallon fuel tank corrosion proof polyethylene
Burner: ..... Oil-fired burner with fuel/water filter separator burning
.....kerosene, #1 or #2 diesel fuel oil
Wand/Gun:…..... Variable pressure insulated dual lance wand with
.....quick connect nozzles change capability. Trigger
..... control gun with easy press trigger gun
Hose:.....50 ft. length wire braided hose with quick disconnect fittings
Spray Tip: .....(4) 0, 15, 25 and 40° spray nozzles
Detergent:..... adjustable metering detergent injector valve for low
..... pressure detergent and high pressure
..... rinse control by dual lance wand
Frame: ..... Structural steel frame with wheel brake, built-in wand holder
..... and (4) 13" Pneumatic wheels for portability
Dimensions:..... 40" L x 30" W x 42" H
Weight: ..... 440 lbs.
Manual: ..... (1) operation manual and safety manual in English/Spanish

BK **81-GT321**

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER PRESSURE WASHER STEAM OPTION

This option consists of taller coil with steam valve for temperatures up to 275° F. Optional add-on for when customer wants steam added to machine.

Steam Option for models: *BK* **810214**, *BK* **GT-320**, *BK* **GT-324**, *BK* **GT-3524**, *BK* **GT-430A**, *BK* **81-GT325**, *BK* **81-GT3030**, *BK* **81-GT445**, *BK* **GT-535**, *BK* **GT-2540**, *BK* **GT-4040**, *BK* **GT-330H** and *BK* **GT440H**.

Note: Model *NAC* **GT-321** already includes this option

BK **81-4026**

GEYSER HOT WATER PRESSURE WASHER

3,000 psi industrial grade hot water/ steam pressure washer with powerful 8 hp electric motor. adjustable pressure dual lance wand, schedule 80 coil for long life and (4) pneumatic wheels for ease of portability. Manufacture in USA.

Specifications:

Motor: .....8 hp electric motor, 220 v, 35 amp, single phase, 60 hz
Control:..... Off/pump/burner switch
Water pump: .....Industrial triplex direct drive plunger pump .....with ceramic plunger and brass manifold
Volume: ..... 4 gallons per minute (17.62 lpm)
Pressure: .....3000 psi (207 bar)
SDS system:..... Soft damping system for protection of coil ..... and high pressure components
Temperature:..... Up to 200° F
Burner coil: .....Vertical configuration coil, 350,000 btus .....with ½" id pipe for long life
Fuel tank: ..... Integral 4.5 gallon fuel tank corrosion proof polyethylene
Burner: ..... Oil-fired burner with fuel/water filter separator burning .....kerosene, #1 or #2 diesel fuel oil
Wand/gun:… .....Variable pressure insulated dual lance wand with .....quick connect nozzles change capability. Trigger ..... control gun with easy press trigger gun
Hose:.....50 ft. Length wire braided hose with quick disconnect fittings
Spray Tip: .....(4) 0, 15, 25 and 40° spray nozzles
Detergent: .....Adjustable metering detergent injector valve for low ..... pressure detergent and high pressure ..... rinse control by dual lance wand
Frame: ..... Structural steel frame with wheel brake, built-in wand holder .....and (4) 13" pneumatic wheels for portability
Dimensions:.....40" l x 30" w x 42" h
Weight: ..... 440 lbs.
Manual: ..... (1) operation manual and safety manual in English/Spanish

BK **81-GT430A**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

GEYSER™ GT SERIES DIESEL-FIRED HOT WATER PRESSURE WASHERS

Geyser™ pressure washers are built for heavy-duty and industrial use and feature cold-water wrap and cool touch coil. Washers include 42" hand trigger, quick connect spray nozzles, ⅜" x 50' hose, and replaceable fuel filter. For a complete mobile wash system, order *NAC* **81-GT600** for skid units.

Features

- Built-in pulsation damper for high pressure component protection
- Heavy-duty industrial oil bath crankcase pumps with ceramic plungers
- Heavy gauge steel construction
- Oil-fired burner operates on diesel, kerosene or #2 home heating oil
- Pressure relief valve located on coil inlet
- Heavy-duty, rust-resistant frame

Item No.	Description	PSI	GPM	Motor	Dimensions	Pump Amps	Drive	Weight
BK **81-GT214**	Hot Water, 4 Wheel Pressure Washer	1,400	2.1	Electric - 2.3 HP - 115V	40" L x 30" W x 42" H	20	Direct	400 lbs.
BK **81-GT320**	Hot Water, 4 Wheel Pressure Washer	2,000	3.0	Electric - 4 HP - 230V (Single Phase)	40" L x 30" W x 42" H	20	Direct	440 lbs.
BK **81-GT325**	Hot Water, 4 Wheel Pressure Washer	3,000	2.9	Gas - 6.5 HP Vanguard	40" L x 30" W x 42" H	—	Direct	560 lbs.
BK **81-GT445**	Hot Water Skid Unit for Trailer	4,000	4.0	Gas - 16 HP Vanguard	36" L x 43" W x 38" H	—	Belt	560 lbs.
BK **81-GT535**	Hot Water Skid Unit for Trailer	3,000	5.0	Gas - 16 HP Vanguard	36" L x 43" W x 44" H	—	Belt	760 lbs.
BK **81-GT3524**	Hot Water, 4 Wheel Pressure Washer	2,400	3.5	Electric - 6 HP - 230V (Single Phase)	40" L x 30" W x 46" H	25	Direct	490 lbs.
BK **81-GT3030**	Hot Water, 4 Wheel Pressure Washer	3,000	3.0	Gas - 9 HP Briggs Vanguard	46" L x 33" W x 46" H	—	Direct	540 lbs.
BK **81-GT3540**	Hot Water, 4 Wheel Pressure Washer	4,000	3.5	Gas - 14 HP Briggs Vanguard	46" L x 34" W x 46" H	—	Direct	550 lbs.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

GEYSER™ SERIES OPTIONAL FACTORY INSTALLED ADD-ONS

BK **81-4001**

BK **81-4002**

BK **81-4007**

BK **81-4004**

BK **81-4006**

BK **81-4011**

BK **81-4012**

OPTIONS FOR GEYSER™ HOT WATER MODELS

Item No.	Description
BK **81-4001**	Stainless Steel Coil Wrapper
BK **81-4002**	Temperature Control
BK **81-4004**	Turbo Nozzle # 5.5
BK **81-4006**	Hour Meter

OPTIONS FOR GEYSER™ TRAILER MODELS

Item No.	Description
BK **81-4007**	Electric Trailer Brakes
BK **81-4011**	Lunette Eye Coupler
BK **81-4012**	Bulldog Hitch

ADJUSTABLE UNDERCARRIAGE PRESSURE WASHER CLEANER ACCESSORY

Precision Swiss made balanced swivel makes this powerful under carriage cleaning tool ideal for large fleet equipment prior to any maintenance. Works from flat to 90° adjustable undercarriage and wheel well cleaner. Operator stands beyond or to the side of what is cleaning, resulting in safer, faster cleaning. Built-in stabilizer nozzles - no maintenance, better cleaning, lower overall cost of ownership. Pneumatic wheels vs. rubber glides easily on uneven or rough surfaces. Works with hot or cold water pressure washer. Cleans out fender wells and tractor tracks, results are faster easier cleaning. All SS Construction - made to last - lowering overall cost of ownership.

Specifications

GPM Flow:.....3 – 12 gpm
Maximum PSI: ..... 5,000 PSI
Dimensions:..... 46" L x 26" W x 9" H
Nozzle Type:.....Fixed

BK **SC-UCC21**

BK **81-00693**

BK **81-00741B**

GEYSER™ SERIES REPLACEMENT SWITCHES

Item No.	Description
BK **81-00741B**	Cam switch fits 115 Volt AC Geyser™ electric drive hot water mobile model *BK* **81-GT214**. Three position cam type replacement pump/burner switch.
BK **81-00743B**	Cam switch fits all Geyser™ electric drive 230 Volt AC hot water mobile models. Replacement pump/burner switch. Fits models *BK* **81-GT320** and *BK* **81-GT3524**.
BK **81-00693**	Rocker switch fits all Geyser™ gas engine hot water mobile models. Rocker type. Replacement burner switch. Fits models *BK* **81-GT325**, *BK* **81-GT3030**, *BK* **81-GT 3540** and *BK* **81-GT4040**.

⚠ **WARNING: (*BK* 81-00741B and *BK* 81-00743B) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

PRESSURE WASHER SURFACE CLEANER

21" Precision Swiss made balanced swivel - leaves no swirl marks, leads to greater customer satisfaction. Four caster wheels - adding stability and longer life. Works with hot or cold water pressure washer. Ideal for cleaning tents, sidewalks, concrete floors, any flat surface. All stainless steel construction -made to last - lowering overall cost of ownership.

Specifications

GPM Flow:.....3 – 8 gpm
Maximum PSI: ..... 4,000 PSI
Dimensions:..... 28" L x 22" W x 37" H
Nozzle Type:.....Fixed

BK **SC-FLOR520ALK**

GEYSER™ GASOLINE HOT WATER MOBILE PRESSURE WASHER UNIT

Dual lance wand allows you to go from low-pressure soap to high-pressure rinse from 50' away. Pulsation dampening accumulator reduces shock from built-up pressure and extends life of pump, motor and coil. Separate unloader adds durability, and lowers maintenance costs. 350,000 BTU's, 12 Volt DC. Convenient built-in wand holder. Rebuildable Triplex plunger oil bath pump. Electric Start. Quick-connect nozzle tips. Hose Length: 50' L.

Specifications

PSI: 4,000
GPM: 4
Motor: ..... Gasoline – 14 HP Kohler
Units of Cleaning Power: 16,000
Dimensions: ..... 46" L x 32" W x 48" H
Weight: .....575 lbs.

BK **81-GT4040**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

NAC **81-GT6445**

GEYSER™ GEYSER HOT WATER TRAILER PRESSURE WASHER SYSTEMS

Pressure washer systems include *BK* **81-GT600** (trailer) and either *BK* **81-GT445** or *BK* **81-GT535** hot water pressure washer.

- Single axle tubular flange frame construction
- Powder coated finish
- 200 gallon tank
- 2" Ball receiver
- 15" Wheels
- Swing up jack
- High pressure tank fill hose, 50 ft.
- Low pressure tank fill hose, 50 ft.

Item No.	Description
BK **81-GT6445**	*NAC* **81-GT600** and *NAC* **81-GT445** Complete Washer & Trailer
BK **81-GT6535**	*NAC* **81-GT600** and *NAC* **81-GT535** Complete Washer & Trailer

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

BK **81-GT445**

BK **81-GT535**

GEYSER™ HOT WATER SKID SYSTEMS

Both include a 16 HP Vanguard engine, belt drive, built-in pulsation dampening, water blow-out valve, and cool touch coil. All contributing to a longer lasting pressure washer.

Item No.	PSI	GPM	Dimensions	Weight
BK **81-GT445**	4,000	4.0	36" L x 43" W x 38" H	560 lbs.
BK **81-GT535**	3,000	5.0	36" L x 43" W x 44" H	760 lbs.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

25 HP DIESEL HOT WATER PRESSURE WASHER

Diesel pressure washer features electric-start engine, 27 gallon fuel tank, and 158' x 1/2" continuously wound schedule 80 coil, triplex oil bath crankcase and belt-driven pump. Generator module produces up to 2,000 watts of electrical power when pressure washer is not in use. Available options include: temperature control, hour meter/tachometer and turbo nozzle. Requires minimum Group 24 – 600 CCA battery (not included).

Specifications

Burner: ..... 490,000 BTUs, 115v, High efficiency oil fired
Burner Fuel: ..... Diesel
Fuel Consumption: ..... 4.0 Gallons per hour – Continuous burn
Tank Capacity: .....27-gallon corrosion-proof fuel tanks
Generator: .....2000 Watt
Coil: .....158', 1/2" ID, Schedule 80 cool touch coil, continuous wound
Temperature Rise: .....140° F
Wand:.....42" Hand trigger
Nozzles:..... (4) Quick-change, color-coded spray nozzles
Hose:.....3/8" x 50'
Chemical: .....High pressure precise metered chemical injection
Float Tank: .....Stainless steel
Frame: ..... Heavy-duty powder-coated tubular steel
Dimensions:..... 76" L x 46" W x 60" H
Shipping Weight:..... 1,100 lbs.
Discharge Volume:..... 5.2 GPM (Gallons Per Minute)
Operating Pressure:..... 3,500 PSI
Motor: ..... 25 HP Lombardini electric start diesel engine
Pump:..... Belt drive, triplex oil bath crankcase, ceramic plunger

BK **81-GT535D**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

GEYSER™ COLD WATER BELT DRIVEN PRESSURE WASHERS

Geyser™ cold water pressure washers are built for heavy-duty use. Features 50' high-pressure hose, 36" wand with trigger gun control, quick connect nozzles and stainless steel belt guard.

Features

- Heavy-duty roll cage steel frame with lifting bar
- Belt drive systems
- Heavy-duty triplex plunger pump
- Pneumatic tires
- Detergent injector
- Built in fuel tank

Item No.	PSI/bar	GPM/lpm	Engine Pump	Dimensions (in)	Dimensions (cm)	Weight
BK **81-225000K**	5,000/345	5.0/18.9	25 HP Kohler	43 L x 28 W x 36 H	109.2 L x 70.5 W x 91.4 H	445 lbs.
BK **81-216000**	4,000	4.0/15.1	16 HP Vanguard	49 L x 30 W x 35 H	124.5 L x 88.9 W x 76.2 H	435 lbs.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER™ WALL-MOUNT COLD WATER PRESSURE WASHERS

160° F (71° C) Inlet water temperatures. Separate Unloader adds durability and lowers maintenance costs. Wall mount on 18" center-to-center mounting. Convenient hose hanging bracket. Quick-connect nozzle tips. Stainless steel cover.

Item No.	GPM Flow	Amps	Hose Length	Pump	Motor	Units of Cleaning Power	Dimensions	Weight
BK **81-WM2015**	2 @ 1500 PSI	20	25'	Rebuildable Triplex Plunger	1 Phase Electric AC 115V	3,000	24" L x 13" W x 26" H	90 lbs.
BK **81-WM3020**	3 @ 2000 PSI	20	25'	Rebuildable Triplex Plunger	1 Phase Electric AC 230V	6,000	24" L x 13" W x 26" H	100 lbs.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

OTHER PRESSURE WASHER MODELS AVAILABLE UPON REQUEST.

These Include:

- Larger hot water trailer packages
- Additional engine choices on both cold and hot water models
- Over 410 standard models
- Custom models meet specific customer requirement

Contact your local NAPA AUTO PARTS Store or Sales Representative for more information.

GEYSER™ REPLACEMENT QC SOAP NOZZLE TIP

QC Soap Nozzle Tip - Black. Size 1/4" QC.
Contents: 1 Spray tip.

BK **81-65400-2B**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER™ 3/8 IN. HOSE COUPLER PLUG

Up to 5,000 PSI pressure. 250° F (121° C). 4:1 safety factor. Size: 3/8" x 3/8" FPT. Zinc- plated.

BK **81-31231-B**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER™ 3/8 IN. STAINLESS STEEL HOSE COUPLER PLUG

Up to 5,000 PSI pressure. 250° F (121° C). 4:1 safety factor. Size: 3/8" x 3/8" FPT.

BK **81-33232-B**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER™ QD BRASS SOCKET FOR DUAL LANCE WAND

QD brass socket for dual lance wand fits all mobile Geyser™ Hot Water models. Up to 5,000 PSI pressure. 250° F (121° C). 4:1 safety factor. Size: 1/4" F x 1/4" MPT.

BK **81-24121-A**

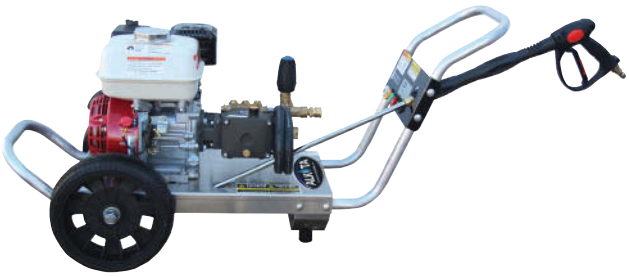
WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

GEYSER™ QD SOCKET FOR SINGLE LANCE WAND

Fits all Geyser™ Hot Water Skid models, and Geyser™ Cold Water models. Up to 5,000 PSI pressure. 250° F (121° C). 4:1 safety factor. Size: 1/4" x 1/4" FNPT.

BK **81-24225-A**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.



GC160 HONDA PRESSURE WASHER

- Light-weight aluminum frame makes it easier to move
- AR Axial pump provides good power at a lower cost
- Solid rubber tires reduce maintenance costs and no flats
- External unloader is easy to replace and reduces maintenance costs

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	GC 160 5 HP Honda
Fuel Type:	Gasoline
GPM Flow:	2.3
Hose Length:	25 ft.
Maximum PSI:	2500
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Axial
Starter Type:	Pull Start
Units of Cleaning Power:	5,750
Weight:	100 lbs.

BK **81-3847**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov**

GX200 HONDA PRESSURE WASHER

- Light-weight aluminum frame makes it easier to move
- External unloader is easy to replace and reduces maintenance costs
- Solid rubber tires reduce maintenance costs and no flats
- AR HD Triplex Pump provides increased power and longer life

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	GX200 Honda
Fuel Type:	Gasoline
GPM Flow:	3
Hose Length:	50 ft.
Maximum PSI:	3000
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Triplex
Starter Type:	Pull Start
Units of Cleaning Power:	9,000
Weight:	125 lbs.

BK **81-3849**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov**

6.5 HP VANGUARD PRESSURE WASHER

- External unloader is easy to replace and reduces maintenance costs
- Light-weight aluminum frame makes it easier to move
- Solid rubber tires reduce maintenance costs and no flats
- AR Axial pump provides good power at a lower cost

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	6.5 HP Vanguard
Fuel Type:	Gasoline
GPM Flow:	2.3
Hose Length:	25 ft.
Maximum PSI:	2700
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Axial
Starter Type:	Pull Start
Units of Cleaning Power:	6,210
Weight:	100 lbs.

BK **81-3848**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov**

6.5 HP VANGUARD PRESSURE WASHER

- Solid rubber tires reduce maintenance costs and no flats
- External unloader is easy to replace and reduces maintenance costs
- Light-weight aluminum frame makes it easier to move
- AR HD Triplex Pump provides increased power and longer life

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	6.5 HP Vanguard
Fuel Type:	Gasoline
GPM Flow:	3
Hose Length:	50 ft.
Maximum PSI:	3000
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Triplex
Starter Type:	Pull Start
Units of Cleaning Power:	9,000
Weight:	125 lbs.

BK **81-3850**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov**

Pressure Washers

7 HP KOHLER PRESSURE WASHER

- Solid rubber tires reduce maintenance costs and no flats
- External unloader is easy to replace and reduces maintenance costs
- AR HD Triplex Pump provides increased power and longer life
- Light-weight aluminum frame makes it easier to move

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	7 HP Kohler
Fuel Type:	Gasoline
GPM Flow:	3
Hose Length:	50 ft.
Maximum PSI:	3000
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Triplex
Starter Type:	Pull Start
Units of Cleaning Power:	9,000
Weight:	125 lbs.

BK **81-3851**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

GX390 HONDA PRESSURE WASHER

- Light-weight aluminum frame makes it easier to move
- AR HD Triplex Pump provides increased power and longer life
- Solid rubber tires reduce maintenance costs and no flats
- External unloader is easy to replace and reduces maintenance costs

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	GX390 Honda
Fuel Type:	Gasoline
GPM Flow:	4
Hose Length:	50 ft.
Maximum PSI:	4000
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Triplex
Starter Type:	Pull Start
Units of Cleaning Power:	16,000
Weight:	165 lbs.

BK **81-3852**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

13.5 HP VANGUARD PRESSURE WASHER

- Light-weight aluminum frame makes it easier to move
- External unloader is easy to replace and reduces maintenance costs
- AR HD Triplex Pump provides increased power and longer life
- Solid rubber tires reduce maintenance costs and no flats
- Wand storage goes through the frame staying out of the way, reducing aggravation and time to store

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	13.5 HP Vanguard
Fuel Type:	Gasoline
GPM Flow:	4
Hose Length:	50 ft.
Maximum PSI:	4000
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Triplex
Starter Type:	Pull Start
Units of Cleaning Power:	16,000
Weight:	165 lbs.

BK **81-3853**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

14 HP KOHLER PRESSURE WASHER

- Light-weight aluminum frame makes it easier to move
- AR HD Triplex Pump provides increased power and longer life
- Wand storage goes through the frame staying out of the way, reducing aggravation and time to store
- External unloader is easy to replace and reduces maintenance costs
- Solid rubber tires reduce maintenance costs and no flats

Specifications

Dimensions:	45 x 19 x 24 in.
Drive Type:	Direct
Engine HP Rating:	14 HP Kohler
Fuel Type:	Gasoline
GPM Flow:	4
Hose Length:	50 ft.
Maximum PSI:	4000
Nozzle Type:	Quick Connect
Portable:	Yes
Pump Type:	AR Triplex
Starter Type:	Pull Start
Units of Cleaning Power:	16,000
Weight:	165 lbs.

BK **81-3854**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

GX390 HONDA PRESSURE WASHER

- External unloader is easy to replace and reduces maintenance costs
- AR HD Triplex Pump provides increased power and longer life
- Wand storage goes through the frame staying out of the way, reducing aggravation and time to store
- Light-weight aluminum frame makes it easier to move
- Solid rubber tires reduce maintenance costs and no flats

Specifications

Dimensions:.....45 x 20 x 26 in.
Drive Type:.....Belt
Engine HP Rating: ..... GX390 Honda
Fuel Type: .....Gasoline
GPM Flow:.....4
Hose Length: ..... 50 ft.
Maximum PSI: 4000
Nozzle Type:.....Quick Connect
Portable:..... Yes
Pump Type:..... AR Triplex
Starter Type: .....Pull Start
Units of Cleaning Power: 16,000
Weight: ..... 210 lbs.

BK **81-3855**

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

13.5 HP VANGUARD PRESSURE WASHER

- External unloader is easy to replace and reduces maintenance costs
- Solid rubber tires reduce maintenance costs and no flats
- Wand storage goes through the frame staying out of the way, reducing aggravation and time to store
- Light-weight aluminum frame makes it easier to move
- AR HD Triplex Pump provides increased power and longer life

Specifications

Dimensions:.....45 x 20 x 26 in.
Drive Type:.....Belt
Engine HP Rating: .....13.5 HP Vanguard
Fuel Type: .....Gasoline
GPM Flow:.....4
Hose Length: ..... 50 ft.
Maximum PSI: 4000
Nozzle Type:.....Quick Connect
Portable:..... Yes
Pump Type:..... AR Triplex
Starter Type: .....Pull Start
Units of Cleaning Power: 16,000
Weight: ..... 200 lbs.

BK **81-3856**

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

14 HP KOHLER PRESSURE WASHER

- Light-weight aluminum frame makes it easier to move
- External unloader is easy to replace and reduces maintenance costs
- AR HD Triplex Pump provides increased power and longer life
- Solid rubber tires reduce maintenance costs and no flats

Specifications

Dimensions:.....45 x 20 x 26 in.
Drive Type:.....Belt
Engine HP Rating: .....14 HP Kohler
GPM Flow:.....4
Hose Length: ..... 50 ft.
Maximum PSI: 4000
Nozzle Type:.....Quick Connect
Portable:..... Yes
Pump Type:..... AR Triplex
Starter Type: .....Pull Start
Units of Cleaning Power: 16,000
Weight: ..... 200 lbs.

BK **81-3857**

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

COMPACT UNDERCARRIAGE WASHER NOZZLE

Undercarriage cleaner attachment connects to customers wand, add customers QD nozzle tip.

- Use with hot or cold water washer
- Cleans undercarriage from the side, no mess to operator
- Stainless steel with two solid non-corrosion wheels

Specifications

Dimensions:.....8 in. W x 4 in. H x 6.5 in. D
GPM Flow:.....2-10 GPM
Max. PSI: ..... 5000 PSI

BK **81-UCW-99001**

⚠ WARNING: This product can ex information go to www.P65Warning.ca.gov WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov

INDEX

Pressure Washers

2600 PSI GASOLINE COLD WATER PRESSURE WASHER

- 170cc Mi-T-M OHV
- 2.5 quart detergent tank
- Removable powder-coated steel 1¼" tube handle
- Equipped with Mi-T-M Pressure Relief Start which eliminates pressure build up in the system during starting
- Professional-grade trigger gun with 36 in. lance, includes 15°, 25° and detergent nozzle
- 2.2 gal. (US)/min free flow rating
- 12 in. wheel diameter
- Portable

BK **81-288201**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3000 PSI GASOLINE COLD WATER PRESSURE WASHER

- 212cc Mi-T-M OHV
- Built-in low pressure detergent injector
- Powder-coated steel frame and base plate with 1¼" tube handles
- Direct drive axial piston Mi-T-M pump with brass manifold
- Equipped with Mi-T-M Pressure Relief Start which eliminates pressure build up in the system during starting
- Professional-grade trigger 2.4 gal. (US)/min free flow rating
- Professional-grade trigger gun with 36 in. lance, includes 15°, 25° and detergent nozzles
- 2.4 gal. (US)/min free flow rating
- Portable
- 10 in. wheel diameter

BK **81-288202**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3200 PSI GASOLINE COLD WATER PRESSURE WASHER

- 212cc Mi-T-M OHV
- Built-in low pressure detergent injector
- Powder-coated steel frame and base plate with 1¼" tube handles
- Direct drive crankshaft Mi-T-M pump with brass manifold
- Equipped with the Mi-T-M Pressure Relief Start which eliminates pressure build up in the system during starting
- Professional-grade trigger gun with 36 in. lance, includes 15°, 25° and detergent nozzles
- 2.4 gal. (US)/min free flow rating
- Portable
- 10 in. wheel diameter

BK **81-288203**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3600 PSI GASOLINE COLD WATER PRESSURE WASHER

- 300cc Mi-T-M OHV
- Built-in low pressure detergent injector
- Powder-coated steel frame and base plate with 1¼" tube handles
- Direct drive crankshaft AR pump with brass manifold
- Equipped with the Mi-T-M Pressure Relief Start which eliminates pressure build up in the system during starting
- Professional-grade trigger gun with 36 in. lance, includes 15°, 25° and detergent nozzles
- 2.8 gal. (US)/min. free flow rating
- Portable
- 10 in. wheel diameter

BK **81-288204**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

4200 PSI GASOLINE COLD WATER PRESSURE WASHER

- 420cc Mi-T-M OHV
- Built-in low pressure detergent injector
- Powder-coated steel frame and base plate with 1¼" tube handles
- Direct drive crankshaft AR pump with brass manifold
- Equipped with the Mi-T-M Pressure Relief Start which eliminates pressure build up in the system during starting
- Professional-grade trigger gun with 36 in. lance, includes 15°, 25° and detergent nozzles
- 3.4 gal. (US)/min. free flow rating
- Portable
- 10 in. Wheel diameter

BK **81-288205**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1400 PSI ELECTRIC HOT WATER PRESSURE WASHER

- 120V / 1 Ph / 15.0 A / 60 Hz
- Diesel or kerosene fired burner
- Built-in low pressure detergent injector
- Direct drive triplex piston pump
- Professional spray gun with insulated trigger
- Professional-grade trigger gun with 36 in. lance, 15°, 25° and detergent nozzle
- 1.5 gal. (US)/min. free flow rating
- Portable
- 35 ft. cord length
- 10 in. wheel diameter

BK **81-288206**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1000 PSI ELECTRIC HOT WATER PRESSURE WASHER

- 120 V / 1 Ph / 15.0 A / 60 Hz
- Diesel or kerosene fired burner
- Built-in low pressure detergent injector
- Direct drive crankshaft Mi-T-M pump with brass manifold
- Equipped with the Mi-T-M Pressure Relief Start which eliminates pressure build up in the system during starting
- Professional-grade trigger gun with 36 in. lance, includes 0°, 15°, 25° and 40° detergent nozzles
- 2.0 gal. (US)/min. free flow rating
- Portable
- 35 ft. power cord length
- 13 in. wheel diameter

BK **81-288207**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3500 PSI GASOLINE DIRECT HOT WATER PRESSURE WASHER

- 389cc Honda GX390 OHV
- Diesel or kerosene fired burner
- Patented Electro Magnetic Firing (EMF) burner system
- Direct drive crankshaft AR pump with brass manifold
- Reinforced powder-coated steel tube frame with center balanced lifting hook
- Professional-grade trigger gun with 48 in. variable pressure dual lance, includes detergent, 0, 15, 25 and 40° nozzle
- 3.3 gal. (US)/min. free flow rating
- Portable
- 13 in. wheel diameter

BK **81-288209**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

2500 PSI GASOLINE DIRECT HOT WATER PRESSURE WASHER

- 196cc Honda GX200 OHV
- Diesel or kerosene fired burner
- Patented Electro Magnetic Firing (EMF) burner system
- Direct drive crankshaft Mi-T-M pump with brass manifold
- Reinforced powder-coated steel tube frame with center balanced lifting hook
- Professional-grade trigger gun with 36 in. variable pressure dual lance, includes 0, 15, 25 and 40° nozzle
- 2.6 gal. (US)/min free flow rating
- Portable
- 13 in. wheel diameter

BK **81-288208**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HEAVY-DUTY ELECTRIC PRESSURE WASHERS

Cold water electric pressure washers include portable cart and feature low-chemical injection and overheat protection for motor. Maximum inlet water temperature is 140° F (60° C).

Features

- Triplex ceramic pump
- Variable-degree trigger controlled nozzle
- 50' pressure hose
- 1 phase, 230V

Item No.	Pressure	GPM	Motor	Weight
BK **81-031**	1,400 PSI	2.0	2.3 hp	105 lbs.
BK **81-051**	2,000 PSI	3.0	4.0 hp	160 lbs.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

COLD WATER GAS PRESSURE WASHERS

Pressure washers are built to last and feature built-in low-pressure detergent injection and thermal relief valve pump protection.

Item No.	GPM Flow	Hose Length	Max. PSI	Pump	Starter Type
BK **81-24800H**	2.2	30'	2,600	Direct Driven, Oil Bath, Triplex Axial Piston	160 cc Honda OHC Engine, Recoil Start
BK **81-25750H**	2.3	25'	2,500	Direct Driven, Oil Bath, Triplex Axial Piston	160 cc Honda OHC Engine, Recoil Start
BK **81-27200H**	2.4	25'	3,000	Direct Driven, Oil Bath, Triplex Axial Piston	196 cc Honda OHV Engine, Recoil Start
BK **81-29520H**	2.8	50'	3,400	Direct Driven, Oil Bath, Triplex Axial Piston	270 cc Honda OHV Engine, Recoil Start
BK **81-213600S**	3.4	50'	4,000	Crank Driven	404 cc Subaru OHC Engine

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

NAC **81-213600S**

OTHER PRESSURE WASHER MODELS AVAILABLE UPON REQUEST.

These Include:

- Larger hot water trailer packages
- Additional engine choices on both cold and hot water models
- Over 410 standard models
- Custom models meet specific customer requirement

Contact your local NAPA AUTO PARTS Store or Sales Representative for more information.

Pressure Washers

BE

2,700 PSI GAS PRESSURE WASHER

- 179cc BE engine
- 2,700 PSI
- 2.5 GPM
- Aluminum Head Axial Pump

POWER EASE

Features

- Ergonomic Handle Design
- Powder Coated Steel Frame
- 10" Flat Free Wheels
- Thermal Valve Protection
- Gun / Wand / Couplings
- 25 ft. Hose

BEP **BE276RA**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

1,700 PSI ELECTRIC PRESSURE WASHER

- 1.3HP Electric Motor 120V
- 1,700 PSI
- 1.4 GPM
- 13 Amps

Features

- Gun Lance with Adjustable Spray Nozzle
- Rotating Nozzle
- 20' High Pressure Hose
- Foam Dispenser
- Replacement Accessory Kit Available

BEP **P1615EN**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3,100 PSI GAS PRESSURE WASHER

- 208cc Powerease engine
- 3,100 PSI
- 2.5 GPM
- Brass Head Axial Pump

POWER EASE

Features

- Low Pressure Chemical Injector
- Powder Coated Steel Frame
- Split Wand Assembly with Gun
- 25 ft. Hose

BEP **BE317RA**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

1,500 PSI ELECTRIC PRESSURE WASHER

- 1.2HP Electric Motor 120V
- 1,500 PSI
- 1.3 GPM
- 12 Amps

Features

- Gun Lance with Adjustable Spray Nozzle
- 19' High Pressure Hose
- Foam Dispenser
- Replacement Accessory Kit Available

BEP **P1415EN**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3,200 PSI GAS PRESSURE WASHER

- 196cc Honda GX200 engine
- 3,200 PSI
- 2.8 GPM
- Brass Head Triplex Pump

POWERED by HONDA

Features

- Integrated Soap Tank
- Powder Coated Steel Frame
- 10" Flat Free Wheels
- 36" Gun / Wand / Couplings
- 25 ft. Hose

BEP **BE3265HA**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

1,800 PSI ELECTRIC PRESSURE WASHER

- 1.5HP Electric Motor 120V
- 1,800 PSI
- 1.3 GPM
- 13 Amps

Features

- Gun Lance with Adjustable Spray Nozzle
- 20' High Pressure Hose
- Integrated Soap Tank
- Automatic Shutdown System
- Replacement Accessory Kit Available

BEP **P1815EN**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3,800 PSI GAS PRESSURE WASHER

POWERED by HONDA

- 270cc Honda GX270 engine
- 3,800 PSI
- 3.5 GPM
- Brass Head Triplex Pump

Features

- Low Pressure Chemical Injector
- Powder Coated Steel Frame
- 12" Flat Free Wheels
- 36" Gun / Wand / Couplings
- 50 ft. High Pressure Hose

BEP **B389HA**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

4HP MARATHON ELECTRIC HOT WATER

- 4HP Marathon Motor 220V
- Single Phase Motor
- 2000 PSI Max Pressure
- 3.0 GPM Max Flow
- 18 Amps
- General Triplex Pump

Features

- 50 ft. High Pressure Hose
- Spray Gun and Lance
- Low Pressure Chemical Injector
- Roll Cage Frame
- 10" Flat Free Wheels

BEP **HW204EMD**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

4,000 PSI HOT WATER HONDA PRESSURE WASHER

- Electric Start
- 4000 Psi Max. Pressure
- Heats Water Up To 200° F
- 4.0 GPM Max. Flow
- General EZ4040 Triplex Pump
- 50' x 3/8" Twin Wire Beaded High Pressure Hose
- Low Pressure Chemical Injector
- 13" Foam Filled Tires

BEP **HW4013HG**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

2,050 PSI, 1.6 HP ELECTRIC MOTOR PRESSURE WASHER

- Delivers 2050 PSI / 1.4 GPM
- Includes: 0°, 15°, 25°, Soaper, Q/C Nozzles
- Rotary Nozzle
- 25 ft High Pressure Hose
- 35 ft Power Cord With Auto-Reset
- Detergent Tank
- On-Board Storage
- Total Stop System (TSS)

Specifications

Motor : ..... 1.6 HP Electric motor 120v
PSI : 2050
GPM : 1.4
Amps : 13

BEP **P2014EN**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

2,000 PSI 5.0 HP 230V - 1 PHASE BALDOR MOTOR PRESSURE WASHER

Cold Water

- 5.0 HP Baldor Motor
- 2000 PSI, 4.0 GPM, 23 Amps

Specifications

Motor : ..... 5.0 HP Baldor motor
PSI : 2000
GPM : 4.0
Pump : ..... Comet FWS24530E
Amps : 23
Unloader : ..... External

BEP **X-2050FW1A**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

1,500 PSI, 2.0 HP BALDOR MOTOR

- 2.0 HP, 110V
- 1500 PSI, 17A, 2.0 GPM
- AR JRV2G25E
- Low Pressure Chemical Injector
- Auto On/Off Feature
- Wall Mount Frame
- 50' High Pressure Hose
- 36" Gun / Wand / Couplings

Specifications

Motor : ..... 2.0 HP Baldor motor 110v
PSI : 1500
GPM : 2.0
Pump : ..... AR JRV2G25E
Amps : 17.3
Unloader : ..... Built-in

BEP **1520FW1ARH**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mi-T-M

PORTABLE PRESSURE WASHER MISTER

This commercial-grade pressure washer mister system puts disinfectant right where you need it. The combination electric 1400 PSI cold water pressure washer and 350 PSI low pressure dispensing mister is extremely easy to use and more efficient than manu- misting. Simply adjust the valve to convert the unit from a pressure washer to a mister. Powered by a high quality electric motor, it's ideal for indoor and outdoor cleaning and disinfecting.

- Misting valve
- Thermal relief valve
- In-line water strainer
- Oil drain, fill port and sight glass
- Direct drive triplex crankshaft pump
- Totally enclosed fan-cooled electric motor
- 35 ft. power cord with GFCI and 15 amp plug
- Low pressure detergent injector for pressure washer use only
- Powder coated steel frame with upright tilt back design and two rubber isolators

BK **CM-1400-0MEC-M**

⚠ **WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

INDEX

Pressure Washer Accessories

Mi-T-M

HAND-CARRY PRESSURE WASHER MISTER

This commercial-grade pressure washer mister system puts disinfectant right where you need it. The combination electric 1400 PSI cold water pressure washer and 350 PSI low pressure dispensing mister is extremely easy to use and more efficient than manual misting. Simply adjust the valve to convert the unit from a pressure washer to a mister. Powered by a high quality electric motor, it's ideal for indoor and outdoor cleaning and disinfecting.

- Misting valve
- Thermal relief valve
- In-line water strainer
- Oil drain, fill port and sight glass
- Direct drive triplex crankshaft pump
- Totally enclosed fan-cooled electric motor
- 35 ft. power cord with GFCI and 15 amp plug
- Low pressure detergent injector for pressure washer use only
- Powder coated steel mounting plate with center balanced lift and four rubber isolators

BK **CM-1400-1MEH-M**

⚠ **WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

BE

18 FT. TELESCOPING WAND

- 4,000 PSI
- 8.0 GPM
- 200°F

BEP **85206018L**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

36 IN. GUN AND WAND ASSEMBLY

Complete assembly built with a spray gun and wand with quick disconnect couplers.

- 4,000 PSI
- 8.0 GPM
- 210°F

BEP **85205026**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

1,800 PSI ACCESSORY KIT

For use with electric pressure washers up to 1,800 PSI. This kit connects with 14mm and 15mm M22 screw type connections.

- Front Load Gun With Split Lance
- M22 Fittings
- Vari-Nozzle
- 25' Hose

BEP **85400320**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

3,000 PSI ACCESSORY KIT

The ideal kit for use with gas pressure washers up to 3,000 PSI. This kit connects with an M22 screw-type fitting.

- Front Load Gun
- Split Lance
- Vari-Nozzle #3
- 25' Hose With M22 Fitting

BEP **85400327**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

PRESSURE WASHER SPRAY GUN

Trigger gun features 12" extension and has a temperature range of up to 300° F (149° C). GPM flow: 12 gpm. Inlet thread size: 3/8" FNPT. Outlet thread size: 1/4" FNPT. Use with *BK* **81-287988** Dual Wand or *BK* **81-14** Pressure Washer Lance Attachment.

BK **81-287984**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

COLD WATER SPRAY GUN ASSEMBLY

Replacement spray gun and lance for cold water pressure washers. Length: 48". Maximum pressure: 5,000 PSI. Thread size: 3/8". 10 GPM, Temperature range 320° F (160° C).

BK **81-7583-48A**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

ZYTEL SHELL PRESSURE WASHER SPRAY GUN

Trigger gun has a temperature range of up to 212° F (100° C). GPM flow: 7 gpm. Inlet thread size: 3/8" FNPT. Outlet thread size: 1/4" FNPT.

BK **81-288050**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

PRESSURE WASHER SPRAY GUN

Spray gun features trigger grip and handles temperatures up to 300° F (149° C). Forged brass housing and special heat and chemical-resistant seals ensure optimum performance in harsh environments. Maximum pressure: 5000 PSI. Maximum flow: 12 gpm.

BK **81-12**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

PRESSURE WASHER LANCE ATTACHMENT

Dual lance attachment for extending wash capabilities.

Item No.	Description
BK **81-14**	48"
BK **81-287988**	36"

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

SIPHON SPRAY GUN

Metal siphon gun sprays air-liquid mixtures including solvents and soap solutions for cleaning wall machinery. Includes 8' plastic tubing.

NTH **90-493**

BE

14 IN. WHIRL-A-WAY

- 4,000 PSI
- 8.5 GPM
- 180°F

BEP **85403014**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

BE

12 IN. WATER BROOM

- Used for cleaning vast surfaces quickly
- Comes in bubble pack ready for display.
- 4,000 PSI
- 3.0 GPM

BEP **85400060**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

16 IN. UNDER CAR WATER BROOM

- 4000 PSI
- 8.5 GPM
- 1/4" Quick-Disconnect Plug

BEP **85400062**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

HEAVY-DUTY ROTARY NOZZLE

- 1/4" quick connect

BEP **85400213** 3,200 PSI
BEP **85400214** 5,000 PSI

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BEP **85400213**

BEP **85400214**

BE

QUICK-CONNECT SPRAY NOZZLES

- 0, 15 and 40 degrees and soaper

BEP **85400215**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

BE

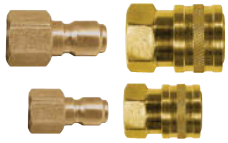
SOAP NOZZLES

BEP **85400221** 65 Degree Nozzle
BEP **85400222** Long Range Nozzle, 1/4" quick connect sprays up to 30 ft

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

FNPT QUICK-CONNECT FITTINGS



- Includes 1/4" and 3/8"

BEP **85400207**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

BE

QUICK-CONNECT FITTINGS

- 3/8" and 1/4" MNPT

BEP **85400210**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

SCREW TYPE FITTING KIT

- For quick connect conversion

BEP **85400204**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

BE

GARDEN HOSE FITTING KIT

- 1/2" plug
- 1/2" coupler

BEP **85400205**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

PRESSURE WASHER O-RING KIT

BEP **85400206**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

UNIVERSAL GAUGE KIT

- Check your pump performance

BEP **85400209**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Pressure Washer Accessories

BE

HEAVY DUTY WET SANDBLAST KIT

- Sandblasts without the dust of regular sandblasting
- Used to strip paint, remove rust, graffiti and stains
- 5,000 PSI

BEP **90019**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

LOW PRESSURE SOAP INJECTOR KIT

Adjustable chemical injector kit. Draws chemical or soap from a bucket when the soaper nozzle is used.

BEP **85400208**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

VARI NOZZLE

- 3,000 PSI

BEP **85400212**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

BE

THERMAL VALVE

- Protect your pump from overheating

BEP **85400224**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

PIVOT COUPLER

BEP **85400223**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mi-T-M

1/4 IN. MEG PRESSURE WASHER NOZZLE

High-pressure, 1/4" NPT, 15° nozzle. Orifice: 3.0.

BK **81-287580**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

Mi-T-M

1/4 IN. MEG PRESSURE WASHER NOZZLE

High-pressure, 1/4" NPT, 15° nozzle. Orifice: 4.0.

BK **81-3217**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

Mi-T-M

HOSE ADAPTER

Screw-connect M22 x 3/8" FNPT brass and stainless steel connector.

BK **81-3100**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

BE

BEP **85490050**

BEP **85490051**

BEP **85490052**

BEP **85490053**

SOAP

- 1 Gallon / 3.78L

Item No.	Description
BEP **85490050**	Car Wash Soap
BEP **85490051**	House and Siding Soap
BEP **85490052**	Deck and Fence Soap
BEP **85490053**	Heavy Duty Degreaser Soap

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

PRESSURE WASHER PREMIUM PUMP OIL

- 1L

BEP **85400227**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

PUMP SAVER

- Anti-freeze solution
- 16 oz.

BEP **85490046**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Mi-T-M

PRESSURE WASHER PUMP OIL

Special additives protect pressure washer pumps against wear, rust and corrosion. Foam suppressant and dispersant maintain system cleanliness. Suitable for all climates.

BK **81-550** 1 pint

BE

3 FT CHEMICAL INJECTOR HOSE WITH FILTER

- Used to draw soap from soap/ chemical container
- 1/4" quick connect

BEP **85400226**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

BE

BEP **85225228**

HIGH PRESSURE HOSES

Item No.	Description
BEP **85225228**	25 ft, 3,600 PSI, 5/16" hose comes with M22-screw type fittings, For cold water use only
BEP **85238156**	Industrial 50 ft, 4,000 PSI, 3/8", Non-marking, Comes with quick connect fittings, For cold/hot water use
BEP **85225229P**	Thermoplastic, 25 ft, 3,200 PSI, Comes with M22F x F fittings

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

100 FT. PRESSURE WASHER HOSE REEL

- 4,000 PSI

BEP **85402001**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

LINCOLN

WATER BIBB COCK

For attaching to water service hose. Thumb-action trigger offers ease of operation, and built-in strainer filters out contaminants. Inlet: 1/4" NPT female.

BK **715-1394**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

WALL MOUNT HOSE REEL

For storage of 3/8" x 300' high-pressure hose. Max temperature: 225° F (107° C). Maximum working pressure: 4,000 PSI. Hose not included.

BK **81-37**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

Mi-T-M

HOT & COLD WATER HOSE REEL

Hose reel includes universal mount bracket and jumper hose for storage of 100' high-pressure hose. Hose not included.

BK **81-288146**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

25 FT. PRESSURE WASHER HOSE

Standard pressure washer hose with hose guards on each end, 3/8 in. NPT solid fitting on one end with 3/8" NPT swivel fitting on the other end.

- Abrasion, oil and weather resistant
- Rubber inner core helps allow hose to bend like a rope
- Wire braiding helps increase durability and the life of the hose
- 4,000 lb./in. maximum working pressure

BK **81-3858**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov**

FLEXZILLA

FLEXZILLA® PRESSURE WASHER HOSES

Flexzilla® offers a revolutionary pressure washer hose that redefines flexibility, even under pressure. Unlike other pressure washer hose, Flexzilla stays flexible when pressurized during use and offers minimal memory when depressurized. It also lays flat and won't work against you before, during or after use.

- Extreme flexibility under pressure, from subzero to 140°F
- Made of Flexible Hybrid Polymer material
- Integral non-kink bend restrictor
- Cold water use only
- Made in USA of US and imported parts
- Available with M22 or Integrated Quick Connect fittings (On select hoses)

Item No.	Length	Max. Pressure	Type	Hose I.D.
BK **81-3845**	25"	3,100 psi	M22	1/4"
BK **81-3846**	50"	3,100 psi	M22	1/4"
BK **HFZPW36425M**	25"	3,600 PSI	—	1/4"
BK **HFZPW36450M**	50"	3,600 PSI	—	1/4"
BK **HFZPW40525M**	25"	4,000 PSI	—	5/16"
BK **HFZPW40550M**	50"	4,000 PSI	—	5/16"
BK **HFZPW426050Q**	50"	4,200 PSI	—	3/8"
BK **HFZPW426100Q**	100"	4,200 PSI	—	3/8"

QUICK-CONNECT TIPS

For use with hot or cold pressure washers.

Item No.	Angle	Orifice	Color
NAC **81-288154***	5,000 PSI, 300° Temp Max., 1/4 NPT Quick Connect, Stainless Steel		
	0°	3.0	Red
BK **81-288155**	15°	3.0	Yellow
BK **81-288156**	25°	3.0	Green
BK **81-288157**	40°	3.0	White
BK **81-288140**	3.0" orifice. Kit of 4 nozzles (0°, 15°, 25°, and 40°) and 1 Brass Q.C. Socket.		
BK **81-288158**	0°	3.5	Red
BK **81-288159**	15°	3.5	Yellow
BK **81-288160**	25°	3.5	Green
BK **81-288161**	40°	3.5	White
BK **81-288141**	3.5" orifice. Kit of 4 nozzles (0°, 15°, 25°, and 40°) and 1 Brass Q.C. Socket.		
BK **81-288162**	0°	4.0	Red
BK **81-288163**	15°	4.0	Yellow
BK **81-288164**	25°	4.0	Green
BK **81-288165**	40°	4.0	White
BK **81-288142**	4.0" orifice. Kit of 4 nozzles (0°, 15°, 25°, and 40°) and 1 Brass Q.C. Socket.		

Not Threaded.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

INDEX

Pressure Washer Accessories & Water Pumps

100 FT. PRESSURE WASHER HOSE

Pressure washer hose for hot water pressure washers is 100' long and has a maximum pressure of 4,500 PSI. Thread size: 3/8" male.

BK **81-288170**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

50 FT. COLD WATER HOSE

Pressure washer hose for cold water pressure washers is 50' long and has a maximum pressure of 3,000 PSI. Thread size: 3/8" male.

BK **81-33**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

WET SANDBLASTING ATTACHMENT

Cold water wet sandblasting attachment works with water temperatures up to 70° F (21° C). Max Pressure: 1,500 PSI.

BK **81-19**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

PRESSURE WASHER DRAIN CLEANING ATTACHMENT

Hose for clearing clogged drains and pipes. Maximum pressure: 1,500 PSI. Temperature range is up to 70° F (21° C). Hose length is 33".

BK **81-20**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

LOW PRESSURE FILTER

Made of stainless steel mesh, filter features 1/4" and 1/2" inlets and 1/2" outlet. Flow rate: 5.8 gpm.

BK **81-11**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

360° PIVOT HOSE REEL

- Direct hand-crank rewind with locking pin
- Solid steel construction
- Durable powder coated finish
- 360° swivel rotation
- Robust folding handle
- 180° pivoting hose guide
- Adjustable friction lever brake
- Full flow high pressure stainless steel swivels
- Coupler connection to secure hose when not in use
- 200 ft. 3/8" hose capacity
- 1/2 NPT – F Inlet/Outlet, includes (2) 3/8" reducer fittings
- 5,000 PSI SS Swivel
- 250° F Max. temperature

Note: Jumper hose is required to connect to pressure washer

NAC **K02-03103E5**

BK **81-4027**

⚠ **WARNING: This product may contain chemicals including chromium, lead, nickel, and sulfur dioxide known to the State of California to cause cancer, birth defects or other reproductive harm. Do not use in connection with drinking water. Wash hands after handling. For more information go to www.P65Warnings.ca.gov.**

1 IN. WATER PUMP

- 79cc (2 HP) Powerease Engine
- 42 GPM Max Flow
- 85' Total Lift
- 20' Suction Lift
- Recoil Start
- Centrifugal Aluminum Pump
- Heavy-Duty Aluminum Impeller
- 1.8L Fuel Tank capacity

BEP **WP1020R**

⚠ **WARNING: Cancer and Reproductive Harm -www.P64Warnings.ca.gov**

2 IN. WATER PUMPS

- 26'/10 PSI Max Suction Head
- No Solids

BEP **WP2065HL**

Item No.	Description
BEP **WP2065HL**	Honda GX200 engine with oil alert, 150 GPM max flow, Centrifugal aluminum pump, 105'/42 PSI total head
BEP **WP2070S**	Powerease 210cc engine, Centrifugal aluminum pump, 158 GPM max flow, 82' total lift, Recoil start, Low oil shutdown, Heavy-duty aluminum impeller, 3.6L fuel tank capacity
BEP **WPK2065CM**	Powerease 210cc engine, 158 GPM max flow, 82' total lift, Recoil start, Low oil shutdown, Heavy-duty aluminum impeller, 3.6L fuel tank capacity

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

2 IN. HIGH PRESSURE PUMP

- PowerEase 225cc
- 197' Total lift
- 26' Suction lift
- Aluminum Impeller
- Low oil shutdown

BEP **HP-2070R**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3 IN. WATER PUMPS

- Centrifugal Aluminum Pump
- 26'/10 PSI Max Suction Head
- No Solids

BEP **WP3065HL**

Item No.	Description
BEP **WP3065HL**	Honda GX200 engine with oil alert, 265 GPM max flow, 105'/ 40 PSI total head
BEP **WP3070S**	Powerease 210cc engine, 264 GPM max flow, 85' total lift, Recoil start, Low oil shutdown, Heavy duty aluminum impeller, 3.6L fuel tank capacity

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

3 IN. TRASH PUMPS

- Handles Solids up to 1" Diameter
- 26' Suction Lift
- Recoil Start

BEP **TP-3013HM**

Item No.	Description
BEP **TP3013HM**	389 cc Honda engine, 370 GPM max flow, 98' total lift, 1.8 gal. fuel tank capacity, low oil alert
BEP **TP3070R**	210 cc Powerease engine, 264 GPM max flow, 85' total lift, .95 gal. fuel tank capacity, low oil shutdown, Centrifugal aluminum pump

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

2 IN. SEMI-TRASH PUMP

POWER EASE

- Powerease 210cc Engine
- 158 GPM Max Flow
- 85 ft. Total Lift, 26 ft. Suction Lift
- Up to 5/8" Solids
- Recoil Start
- Low Oil Shutdown
- Cast Iron Impeller
- 0.95 gal. (3.6L) Fuel Tank Capacity

BEP **TP2070RT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

2 IN. SEMI-TRASH PUMP

POWERED by HONDA

- Honda 196cc GX200 Engine
- 158 GPM Max Flow
- 85 ft. Total Lift, 26 ft. Suction Lift
- Up to 5/8" Solids
- Recoil Start
- Low Oil Shutdown
- Cast Iron Impeller
- 0.82 Gal. (3.1L) Fuel Tank Capacity

BEP **TP2065HT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

3 IN. SEMI-TRASH PUMP

POWERED by HONDA

- Honda 196cc GX200 Engine
- 264 GPM Max Flow
- 85 ft. Total Lift, 26 ft. Suction Lift
- Up to 1" Solids
- Recoil Start
- Low Oil Shutdown
- Cast Iron Impeller
- 0.82 Gal. (3.1L) Fuel Tank Capacity

BEP **TP3065HR**

⚠ **WARNING: Cancer and Reproductive Harm www.P64Warnings.ca.gov**

25 FT. SUCTION HOSE SET

- Includes camlock adapter fitting and strainer

Item No.	Description
BEP **85400088A**	1" Suction Hose Set
BEP **85400089A**	2" Suction Hose Set
BEP **85400090A**	3" Suction Hose Set

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

50 FT. DISCHARGE HOSE SET

- Includes camlock adapter fittings

Item No.	Description
BEP **85400084A**	1" Discharge Hose Set
BEP **85400085A**	2" Discharge Hose Set
BEP **85400086A**	3" Discharge Hose Set

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

1.5 IN. SIDE DISCHARGE SUBMERSIBLE PUMP

- ½ Hp, 115V, 60hz
- Tethered Float Switch
- 2420 Gal /Hr Capacity
- 28 ft. Max Delivery Height
- 23 ft. Max Submersible Depth
- 0.2" Maximum Solid Handling
- Copper Windings
- Mechanical Seal
- 25 ft. Cord
- Plastic Body

BEP **SP550SD**

⚠ **WARNING: Cancer and Reproductive Harm - www P64Warnings.ca.gov**

1.5 IN. TOP DISCHARGE WITH VERTICAL FLOAT

- 1/3 Hp, 115V, 60Hz
- Vertical Float Switch
- 3036 Gal /Hr Capacity
- 20 ft. Max Delivery Height
- 26 ft. Max Submersible Depth
- 0.2" Maximum Solid Handling
- Mechanical Seal
- 15 ft. Cord

BEP **SP600BD**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

1.5 IN. DISCHARGE WITHOUT FLOAT

- 1/3 Hp, 115V, 60Hz
- 3036 Gal /Hr Capacity
- 20 ft. Max Delivery Height
- 26 ft. Max Submersible Depth
- 0.2" Maximum Solid Handling
- Mechanical Seal
- 15 ft. Cord
- Plastic Body

BEP **SP650BD**

⚠ **WARNING: Cancer and Reproductive Harm - www P64Warnings.ca.gov**

1.5 IN. TOP DISCHARGE WITH FLOAT

- ¾ Hp, 115V, 750W
- Tethered Float Switch
- 2420 Gal /Hr Capacity
- 28 ft. Max Delivery Height
- 26 ft. Max Submersible Depth
- 0.2" Maximum Solid Handling
- Copper Windings
- Mechanical Seal
- 25 ft. Cord
- Stainless Steel Body

BEP **SP750TD**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

INDEX

Submersible Pumps & Wet/Dry Utility Vacuums

BE

1.5 IN. SIDE DISCHARGE WITH FLOAT

- 1 Hp, 115V, 1100W
- Tethered Float Switch
- 3434 Gal /Hr Capacity
- 29.5 ft. Max Delivery Height
- 26 ft. Max Submersible Depth
- 0.2" Maximum Solid Handling
- Copper Windings
- Mechanical Seal
- 25 ft. Cord
- Stainless Steel/Plastic Body

BEP **SP900SD**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BE

1.5 IN. SIDE DISCHARGE TRASH SUBMERSIBLE WITH FLOAT

- 1¼ Hp, 115V, 1100W
- Tethered Float Switch
- 3410 Gal /Hr Capacity
- 36 ft. Max Delivery Height
- 16 ft. Max Submersible Depth
- 1.4" Maximum Solid Handling
- Copper Windings
- Mechanical Seal
- 25 ft. Cord
- Stainless Steel Body

BEP **ST900SD**

⚠ **WARNING: Cancer and Reproductive Harm - www P64Warnings.ca.gov**

CRAFTSMAN

WET/DRY VACUUMS

3 Year Limited Warranty

Features	*ENR* **CMXEVBE17250**	*ENR* **CMXEVBE17925** Wall Mounted	*ENR* **CMXEVBE17584**	*ENR* **CMXEVBE17590**	*ENR* **CMXEVBE17155**
Drum Size	2.5 Gallon	5 Gallon	6 Gallon	9 Gallon	10 Gallon
Horsepower	1.75 Peak HP	5.0 Peak HP	3.5 Peak HP	4.25 Peak HP	6.0 Peak HP
Amps	3.0	8.5	7.5	8.3	10.5
Max CFM	49	135	59	72	156
Portability	Carry Handle/ Lightweight	Carry Handle/ Lightweight	Carry Handle/ Lightweight/Wheels	Carry Handle/ Lightweight/Wheels	Carry Handle/ Wheels
Blowing Port	Yes	Yes	Yes	Yes	Yes
Tank Drain	—	—	—	Yes	Yes
Cord Length	10 ft.	20 ft.	10 ft.	10 ft.	10 ft.
Cord Wrap	—	Yes	Yes	Yes	Yes
Hose Size	5 ft.	7ft. & 14 ft.	7 ft	7 ft	7 ft
Access. Diameter	1¼"	1⅞"	1⅞"	1⅞"	2½"
Access. Included	3	9	5	6	4
Dust Bag Included	—	—	*ENR* **CMXZVBE39970**	*ENR* **CMXZVBE39970**	*ENR* **CMXZVBE38735**
Filters Included	*ENR* **CMXZVBE38737**	*ENR* **CMXZVBE38754**	*ENR* **CMXZVBE38754**	*ENR* **CMXZVBE38754**	*ENR* **CMXZVBE38754**
Utility Nozzle	Yes	Yes	Yes	Yes	Yes
Dusting Brush	—	Yes	—	—	—
Car Nozzle	—	Yes	Yes	Yes	Yes
Crevice Tool	Yes	Yes	—	—	—
Wet Nozzle	—	—	—	Yes	—
Blower Wand	—	—	—	—	—
Muffler/Diffuser	—	Yes	—	—	—
Hose(s)	Yes	2	Yes	Yes	Yes
Extension Wand(s)	—	2	2	2	2

Peak Horsepower represents a level at or below the maximum horsepower output of an electric motor tested in a laboratory using a dynamometer. Gallons indicated reflect drum volume, not necessarily collection capacity. Actual capacity dependent upon type of debris collected, condition of filter and other factors.

CRAFTSMAN

WET/DRY VAC FILTERS

Item No.	Description
ENR **CMXZVBE38775**	5-8 Gallon Fine Dust/Drywall Dust Collection Bags (2pk)
ENR **CMXZVBE3877**	10-14 Gallon Fine Dust/Drywall Dust Collection Bags (2pk)
ENR **CMXZVBE38769**	15-22 Gallon Fine Dust/Drywall Dust Collection Bags (2pk)
ENR **CMXZVBE39970**	6-10 Gallon Fine Dust/Drywall Dust Collection Bags (2pk)
ENR **CMXZVBE38735**	12 Gallon Fine Dust/Drywall Dust Collection Bags (2pk)
ENR **CMXZVBE38766**	Dry Filter (3pk)
ENR **CMXZVBE38854**	Standard Cartridge Filter
ENR **VF2016**	Fits RIDGID filter
ENR **CMXZVBE38751**	Fine Dust Replacement Filter
ENR **CMXZVBE38754**	Red Stripe General Purpose Replacement Filter

WET/DRY VAC FILTERS

Item No.	Description
ENR **CMXZVBE38753**	HEPA Media Replacement Filter
ENR **CMXZVBE38752**	Replacement Wall Vac Filter
ENR **CMXZVBE38765**	Foam Sleeve
ENR **CMXZVBE38737**	2-2.5 Gallon Filter Bags (3pk)
ENR **CMXZVBE38773**	Wet Application Filter
ENR **CMXZVBE38750**	16-20 Gallon Fine Dust/Drywall Dust Collection Bags (2pk)

ENR **CMXZVBE38775**

ENR **CMXZVBE38754**

ENR **CMXZVBE38766**

CRAFTSMAN

WET/DRY VACUUMS
3 Year Limited Warranty

Features	*ENR* **CMXEVBE17594**	*ENR* **CMXEVBE17595**	*ENR* **CMXEVBE17596**
Drum Size	12 Gallon	16 Gallon	20 Gallon
Horsepower	6.0 Peak HP	6.5 Peak HP	6.5 Peak HP
Amps	10.5	12	12
Max CFM	156	177	182
Portability	Carry Handle/ Wheels	Carry Handle/ Wheels	Carry Handle/ Wheels
Blowing Port	Yes	Yes	Yes
Tank Drain	Yes	Yes	Yes
Cord Length	20 ft.	20 ft.	20 ft.
Cord Wrap	Yes	Yes	Yes
Hose Size	7 ft	7 ft	7 ft
Access. Diameter	2½"	2½"	2½"
Access. Included	6	6	8
Dust Bag Included	*ENR* **CMXZVBE38735**	*ENR* **CMXZVBE38749**	*ENR* **CMXZVBE38749**
Filters Included	*ENR* **CMXZVBE38754**	*ENR* **CMXZVBE38754**	*ENR* **CMXZVBE38754**
Utility Nozzle	Yes	Yes	Yes
Dusting Brush	—	—	—
Car Nozzle	Yes	Yes	Yes
Crevice Tool	—	—	Yes
Wet Nozzle	Yes	Yes	Yes
Blower Wand	—	—	—
Muffler/Diffuser	—	—	Yes
Hose(s)	Yes	Yes	Yes
Extension Wand(s)	2	2	2

Peak Horsepower represents a level at or below the maximum horsepower output of an electric motor tested in a laboratory using a dynamometer. Gallons indicated reflect drum volume, not necessarily collection capacity. Actual capacity dependent upon type of debris collected, condition of filter and other factors.

ENR **CMXZVBE38758**

ENR **CMXZVBE27151**

ENR **CMXZVBE38665**

ENR **CMXZVBE38677**

Wet/Dry Utility Vacuums

CRAFTSMAN

WET/DRY VAC HOSES AND HOSE KITS

Item No.	Description
ENR **CMXZVBE38758**	2½" x 13' Pos-I-Lock Hose
ENR **CMXZVBE38762**	1¼" x 6' Friction Fit Hose
ENR **CMXZVBE38764**	1⅞" x 10' Premium Hose Kit
ENR **CMXZVBE38763**	2½" x 7' Pos-I-Lock Hose Kit

WET/DRY VAC ACCESSORIES

Item No.	Description
ENR **CMXZVBE38677**	Universal Tool Adapter
ENR **CMXZVBE38688**	1¼" Accessory Kit (3pc)
ENR **CMXZVBE27151**	1¼" - 1⅞" Crevice Tool
ENR **CMXZVBE38665**	2½" to 1¼" Adapter
ENR **CMXZVBE38668**	1¼" Micro-Cleaning Kit
ENR **CMXZVBE38657**	Claw Nozzle w/ Adapter
ENR **CMXZVBE27159**	1¼" - 1⅞" Dusting Brush
ENR **CMXZVBE37413**	2½" Dusting Brush

WET/DRY VAC ACCESSORIES CONT.

Item No.	Description
ENR **CMXZVBE37035**	2½" Crevice Tool
ENR **CMXZVBE38633**	2½" Floor Brush (14" wide)
ENR **CMXZVBE38660**	2½" Muffler/Diffuser
ENR **CMXZVBE38662**	1¼" Car Cleaning Kit (5pc)
ENR **CMXZVBE38666**	1⅞" Floor Brush
ENR **CMXZVBE38759**	2½" x 20' Pos-I-Lock Hose
ENR **CMXZVBE38621**	2½" Wet Nozzle
ENR **CMXZVBE38763**	2½" x 7' Pos-I-Lock Hose Kit
ENR **CMXZVBE38675**	1⅞" Extension Wand
ENR **CMXZVBE38676**	1⅞" Utility Nozzle
ENR **CMXZVBE38605**	1¼" Extension Wand
ENR **CMXZVBE38606**	2½" Extension Wand
ENR **CMXZVBE38610**	1¼" Dusting Brush

CRAFTSMAN

V20* CORDLESS 2 GAL. WET DRY VAC (TOOL ONLY)

V20* Cordless 2 gal. Wet/Dry Vac (Tool Only) has a powerful motor providing enough suction power to clean up wood debris, screws, and wet messes. Fitted with a HEPA grade filter, this vacuum will capture 99.7% of all dust and allergens. For portability, this vacuum an on board accessory and extended reach hose allowing for increased storage.

- Powerful Motor: Provides 35 CFM's of suction power for picking up debris
- Portable 2 Gallon tank allows for wet and dry debris cleanup
- Health Safety: HEPA rated filter traps 99.7% of dust and allergens for efficiency and health safety
- Extended Reach: 7 ft. 8-in. hose allows for extended reach and flexibility in application
- Easy Storage: On board hose and accessory storage allows for easy storage and helps prevents losing attachments

Includes:

- CMCV002B 2 gal. Wet/Dry Vac
- Wide Nozzle
- Crevice Tool
- HEPA Filter
- Hose

Battery and Charger Sold Separately

CTM **CMCV002B**

CORDLESS/ CORDED VACUUMS

DEWALT

18/20V MAX 2 gal. Cordless/Corded Wet/Dry VAC"

Item No.	*DEW* **DCV581H**
Tank Size	2 gal.
Amps/ Volts / Power Source	18V or 20V MAX* or AC Power
Max CFM	—
Max Water Lift	—
Variable-Speed Dial	—
Blower	Yes
Hose Diameter	1¼"
Hose Length	5.0'
Charger/Batteries	Sold Separately
Filter Type	HEPA Rated Filter
Includes	Crevice Tool Attachment and Wide Nozzle Tool Attachment

Milwaukee

M18™ 2-GALLON WET/DRY VACUUM

- Powerful suction for wet & dry applications
- Organized on-board storage: hose, utility nozzle, crevice tool
- Run Time: 30+ Minutes of clean-up on an M18™ REDLITHIUM™ HIGH DEMAND™ 9.0 battery pack

Features

- 32 in. of water lift
- Stackable tool box design
- Hose diameter: 1¼ in.
- Compatible with all M18 batteries
- Part of the M18™ System, featuring over 200+ tools

Warranty: 5 year limited tool warranty

Item No.	*MIL* **0880-20**
Volts	18
Capacity	2 gal
Suction	45 CFM
Filter	HEPA
Weight	10.1 lbs
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18™ 2 Gallon Wet/Dry Vac bare tool (*MIL* **0880-20**) (1) 6' Flexible Hose (1) Crevice Tool (1) Utility Nozzle (1) HEPA Filter

STANLEY

STANLEY® ST-310A-120 HEAVY-DUTY UTILITY BLOWER 120 VOLT YELLOW, BLACK

The STANLEY heavy-duty utility blower is a pivoting head high velocity utility blower ideal for many drying and cooling applications. This blower delivers clean, quiet air where you need it most. Lightweight and portable, this easy to use blower includes 3 speed settings and an on board accessory outlet.

- POWERFUL: 3 powerful speed settings for fast cooling and drying
- VERSATILE: Pivoting blower head to direct the air when you need it
- TECHNOLOGY: Accessory outlet to run other equipment
- PROTECTION: Onboard 10 amp circuit breaker with reset
- PORTABILITY: Large carrying handle makes it easy to transport
- SEAMLESS: Perfect for drying, cooling, venting and more.
- STRONG: Made of durable plastic for years of use
- EASY TO USE: Comes assembled. No construction needed.

Specifications:

Product Weight ..... 9 lbs.
Product Dimensions (L x W x H):.....12.5" x 10" x 12"
Shipping Dimensions:(L x W x H): .....14" x 12" x 14"
Shipping Weight:..... 10 lbs.

MHR **ST-310A-120**

BK **825-1018**

BK **827-1123**

300 CFM BLOWER FAN

- Unit weighs 11.5 lbs
- 8.5' cord length, SJTW / 14 AWG
- Built-in overload protection and features 11 Amp built-in grounded receptacles. Impact resistant ABS housing material
- Variable speed switch controls motor speed from 950 - 1650 rpm
- Blower fan moves up to 300 cfm of air. Operates on standard 120 Volt AC / 60 Hz power. 1 Amp rated power draw. For indoor or outdoor use
- 4-position adjustment feet

BK **827-1123** 300 CFM Blower Fan
BK **825-1018** Heater Attachment

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

1200 CFM BLOWER FAN

- 8.5' cord length, SJTW / 14 AWG
- Built-in overload protection and features 11 Amp built-in grounded receptacles. Impact resistant ABS housing material
- Variable speed switch controls motor speed from 950 - 1650 rpm
- Unit weighs 15.9 lbs
- Blower fan moves up to 1200 cfm of air. Operates on standard 120 Volt AC / 60 Hz power. 2 Amp rated power draw. For indoor or outdoor use
- 4-position adjustment feet

BK **827-5024**

DEWALT

TOUGHSYSTEM® RADIO + CHARGER

- Premium sound: 4 Full-range tweeters + 1 Subwoofer +1 Assisted bass resonator
- Charging capability: Built-in charger ensures jobsite productivity by charging 12V MAX* and 20V MAX* DEWALT power tools
- IP54 Rated for water and dust resistance
- Connectivity to Bluetooth®, 3.5 mm. Aux. Input, 5V/1A USB charger
- ToughSystem® Carrier cart compatible
- Can be stacked to other ToughSystem® modules
- Can run on a 12V MAX* or 20V MAX* DEWALT® Li-ion power tool battery or can be plugged into a wall outlet

DEW **DWST08810**

Milwaukee

M18™ JOBSITE RADIO

MIL **2890-20**

Item No.	*MIL* **2890-20**
Volts	18
AM/FM Tuner	Yes
USB Charger	Yes
3.5mm Aux Port	Yes
Weight	10.3 lbs
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18™ Jobsite Radio (*MIL* **2890-20**)

MAHLE

OZONEPRO GENERATOR 12VDC

OzonePRO is the professional sanitizing system for your shop and protects against the spread of most bacteria and viruses.

- Fully Automatic electronic device for sanitation
- For car / truck / bus interiors
- Easy to use, safe and 100% environmentally friendly

Item No.	Description
RTI **4908000300**	OzonePRO Generator w/AC Power Supply Combo
RTI **4908000100**	OzonePRO Generator 12VDC

INDEX

Creepers & Seats

KING CRAWLER™ CREEPER

The King Crawler™ is 40" long with patented Full-Freedom X-Frame design that completely conceals the frame. This minimizes frame interference and maximizes mobility. The King Crawler has four giant 5" casters for excellent mobility on imperfect surfaces. The high-gloss padded deck is very durable and easy to clean.

BK **815-6246**

PROGEAR WIDE BODY CREEPER

This ProGear Wide Body Creeper sets a new standard for form and function. One of the most comfortable and functional creepers on the market today.

- 400–lb. capacity
- Raised 3" thick padded head support
- Built-in Lumbar support
- Low 1" ground clearance
- Four 5" swivel casters with axle bearings
- No assembly required
- 40" L x 21" W

BK **815-6249**

CARLYLE® KING CRAWLER CREEPER

- Thick padded deck for comfort while working
- Huge 5 in. casters for a best in class mobility
- High-gloss padded deck is very durable and easy to clean
- Full-Freedom X-Frame design that completely conceals the frame, minimizing frame interference and maximizing mobility
- 43 in. L x 25.25 in. W
- 400 lbs. Maximum working weight limit

CHT **815-1349**

CARLYLE® WIDE BODY CREEPER

The deck with lumbar support provides exceptional comfort and productivity.

- Convenient hanger works on peg or toolbox lip
- The outrigged frame gets deck low despite huge casters
- Designed and built for the professional with excellent function and durability
- 5 in. Terrain casters provide excellent mobility, roll right over most shop debris and even cords
- 40 in. L x 21.25 in. W
- 400 lbs. Maximum working weight limit

CHT **815-1348**

CARLYLE® EITHER END ADJUSTABLE CREEPER

This creeper allows for 5 different adjustment positions, giving the user optimal range of desired work heights.

- High-density foam
- 6 2.5 in. oil-resistant casters
- Five position adjustments
- Adjustable headrest
- 44.25 in. L x 10.75 in. W
- State of the art steel frame
- 570 Lbs. working weight limit
- 2.5 in. floor clearance

CHT **815-1354**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE® WIRE FORM CREEPER

This creeper has a state of the art, lightweight, yet strong framework to provide comfort to the user.

- High-density foam
- 6 2.5 in. oil-resistant casters
- State of the art steel frame
- 40 in. L x 17 in. W
- 570 Lbs. working weight limit
- 2.5 in. floor clearance

CHT **815-1352**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE® CONVERTIBLE CREEPER SEAT

This dual purpose creeper seat allows the user to be under their vehicle performing an oil change one minute and sitting, performing a brake inspection the next.

- High-density foam
- One-button adjustment
- 6 2.5 in. oil-resistant casters
- State of the art steel frame
- 40 in. L x 17 in. W
- 570 Lbs. working weight limit
- 2.5 in. floor clearance

CHT **815-1353**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3½-inch chrome racing casters

BIG BLUE CREEPER

1" Rugged steel tube construction with oversized frame for extra comfort. Features angled head design for extra clearance in tight areas. Stick shift, one-hand operation headrest adjustment system features five different positions. Rear drop-frame design offers extra leg comfort. Heavy-duty, 3½" chrome racing casters with rubber tread. Meets California 93120 compliance for formaldehyde. Weight Capacity: 250 lbs.

Item No.	Description
BK **815-5068**	Creeper
BK **720-1272**	Replacement Casters (One Pair)

42 IN. OVERSIZED CREEPER

Extra-long, extra-wide frame with adjustable headrest for comfort. Features foam-cushioned vinyl cover and durable powder-coated frame. Three-inch casters supply ease of mobility. Meets California 93120 compliance for formaldehyde. Dimensions: 42" x 19" x 4". Weight Capacity: 350 lbs.

Item No.	Description
BK **815-6271**	Creeper
BK **720-1318**	Replacement Casters (One Pair)

40 IN. PROFESSIONAL PLASTIC CREEPER

Low-profile design with side-recessed tool storage trays. Three-inch ball-bearing casters. Durable, impact-resistant plastic bed with padded headrest. Meets California 93120 compliance for formaldehyde. Weight Capacity: 300 lbs.

Item No.	Description
BK **815-6238**	Creeper
BK **720-1271**	Replacement Casters (one pair)

⚠ **WARNING: (*BK* 815-6238) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HEAVY DUTY CREEPER WITH PARTS TRAY

Robustly designed with low ground clearance for use in rugged applications in shop and service centers.

- 20 in. extra wide bed fits most body sizes and provides superior ergonomics
- Contoured and elevated headrest provides reliable head support
- 1.5 in. low ground clearance positions the technicians properly for tasks
- Industrial pin castors provide wobble free mobility
- Includes parts tray that snaps onto frame for convenient small parts storage
- (6) 3 In. Casters
- 500 Lb. Unit capacity
- 44½ in. L x 26½ in. W x 7¼ in. H
- Steel

CHT **815-1341**

41 IN. CREEPER

The GEARWRENCH® Mechanic's Creeper provides optimum access to any low-clearance overhead work application. Six smooth-rolling offset TPC (thermoplastic copolyester) casters and a concave custom-molded composite tub provide excellent mobility and is light weight. The durable EVA (ethylene-vinyl acetate) padding offers outstanding comfort with minimum thickness for an exceptionally low working height.

- 41" custom molded composite frame
- Super durable reinforced EVA back and head rest
- Includes (6) 3 inch TPC ball bearing casters to reduce vibration
- 300 pound capacity
- Metal plates next to headrest for easy mounting of magnetic lights
- Magnetic parts trays for convenient storage
- Low profile for increased under vehicle clearance

APX **86995**

INTERIOR CAR CREEPER

- Innovative design for interior car applications to properly position the technician for tasks under the dashboard
- Removable kneeling pad for use in low height applications
- Rubberized corners for fabric protection
- Heavy duty plywood insert for strength and durability
- Tools free height adjustment mechanism with user friendly latch system
- 15 - 25 in. height range in 1 in. increments for cars, SUV's and pickups
- 42½ in. L x 16¾ in. W x 25 in. H
- Steel
- Optional parts tray (*BK* **815-1338**) and LED light (*BK* **815-1339**) available

CHT **815-1337**

Creepers & Seats

EVERCRAFT

40 IN. ECONOMY PLASTIC CREEPER

Plastic bed with padded headrest and 3" casters.
Weight Capacity: 200 lbs.

Item No.	Description
BK **815-6270**	Creeper
BK **720-1271**	Replacement Casters (one pair)

⚠ **WARNING: (*BK* 815-6270) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

BK **815-6266**

BK **815-6267**

36 & 40 IN. CREEPERS

Features high-density, tear-resistant foam pad cover and 1.2mm steel frames. Meets California 93120 compliance for formaldehyde. 200 lbs. weight capacity for both.

Item No.	Description
BK **815-6266**	36" Creeper with 4 hooded, 2½" casters that feature race bearings and are oil-resistant
BK **815-6267**	40" Creeper with adjustable headrest and 6 hooded, 2½" casters that feature race bearings and are oil-resistant
BK **720-1267**	Replacement Casters (one pair)

MADE IN THE USA

BONE-STER™ MECHANICS CREEPER

- 1.25" Ground clearance
- Double ribbed body gives it an incredible 400 lb. capacity
- 3" Diameter wheels with grippy tires glide smoothly over shop floors, even if the surface is less than perfect

Specifications

Dimensions:..... 43" L x 24" W x 5.25" H
Unit Capacity: ..... 400 Lbs.
Casters: ..... (4) 3" Dia.

BK **815-1274**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

MADE IN THE USA

THE BONE™ MECHANICS CREEPER

- 1.75" Ground clearance
- Large 5" diameter wheels that roll over just about anything in a shop.

Specifications

Dimensions:..... 45.5" L x 25.5" W x 7.875" H
Unit Capacity: ..... 300 Lbs.
Casters: ..... (4) 5" Dia.

BK **815-1277**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

MADE IN THE USA

THE ROUGH RIDER™ MECHANICS CREEPER

- 2.875" Ground clearance
- 5.275" Casters
- Designed to be used on extremely rough pavement, dirt, and even grass and gravel with a firm substrate

Specifications

Dimensions:..... 45.5" L x 25.5" W x 7.875" H
Unit Capacity: ..... 400 Lbs.
Casters: ..... (4) 5.275" Dia.

BK **815-1278**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

TOPSIDE CREEPER

The topside creeper suspends user over the top of the engine. This adjustable and foldable creeper is a must for working on ½-, ¾-, and 1-ton trucks. Made of heavy-gauge steel and adjustable from 48" to 64" high.

BK **815-6245**

CARLYLE TOOLS by NAPA

CREEPER SEAT W/ STORAGE DRAWER

- 1" Steel square frame for durability
- 2" Deep drawer with roller bearing slides
- Swivel 3½" ball-bearing rubber casters for quiet glide
- Convenient bottom tool storage tray
- Vinyl, foam-padded seat for comfort
- Meets California 93120 compliance for formaldehyde

Specifications

Caster Dimensions:..... 3½" x 1¼"
Drawer Dimensions:..... 11" x 7" x 2"
Seat Height: ..... 18½"
Tray Dimensions: ..... 12½" x 11½" x 1"
Weight Capacity: ..... 300 lbs.

Item No.	Description
BK **815-6241**	Creeper Seat
BK **720-1272**	Replacement Casters (One Pair)

CARLYLE TOOLS by NAPA

HEAVY DUTY TOOL TROLLEY

Heavy duty tool trolley designed for shops and service centers that require working at low height levels in rugged environments.

- Removable deep steel storage tray for parts and tools
- Plush 3.5 in. thick contoured vinyl seat and arching back support
- (4) 3 in. diameter industrial pin casters, two with locks
- 350 lb. real load capacity
- 27.5 in. L x 17 in. W x 30 in. H
- Powder-coated
- Steel

CHT **815-1340**

CARLYLE TOOLS by NAPA

MULTI-PURPOSE ROLLING STOOL

All-purpose stool with pneumatic height adjustment suits most workshop, maintenance, repair, assembly and desk applications.

- High strength molded nylon base assures reliability
- 8 in. pneumatic height adjustment for desk and workbench heights
- (5) 2½ in. industrial casters provide wobble free mobility
- Plush 3.5 in. thick x 14 in. diameter vinyl upholstered seat provides comfort and easy to clean
- 19 - 27 in. adjustability range
- 250 Lb. weight capacity
- Optional swing out bin available (*BK* **815-1344**)

CHT **815-1343**

EVERCRAFT

AIR CYLINDER CREEPER SEAT

Air cylinder enables easy height adjustment. Features large and convenient, 15" diameter steel tool tray and ball-bearing casters for ease of mobility. Meets California 93120 compliance for formaldehyde. Adjustable Height: 16-20". Weight Capacity: 300 lbs.

Item No.	Description
BK **815-6269**	Creeper Seat
BK **720-1267**	Replacement Casters (one pair)

EVERCRAFT

CREEPER SEAT

Features four casters for mobility, sturdy storage tray and heavy-duty, tear-resistant foam seat. Meets California 93120 compliance for formaldehyde. Capacity: 200 lbs.

Item No.	Description
BK **815-6268**	Creeper Seat
BK **720-1267**	Replacement Casters (one pair)

EVERCRAFT

ROLLING WORK SEAT

Lightweight and durable composite seat with four swivel casters.

- Storage trays and built-in storage compartment
- Great for working around wheels and brakes
- 18 in. x 13.4 in. x 12.4 in. (457 x 340 x 315 mm)
- Weight capacity of 330 lbs. (150 kg)

BK **821-5144**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GEARWRENCH

ADJUSTABLE HEIGHT TRACTOR SEAT

GEARWRENCH® work seats and stools let you work comfortably at a level that gives you maximum access and leverage, whether working at low heights or doing bench work. A rolling work seat and a high stool are both available to suit your shop environment needs and personal working style. Both are air shock height adjustable and made to stand up to the hard demands of auto shop or industrial plant environments.

- Powder coated metal frame for long lasting durability
- Seat swivels 360° for extra mobility
- Solid solvent resistant rubber seat
- Air shock adjustable seat to suit any need
- Seat height adjustment lever easily moves seat up and down
- 225 pound capacity
- Heavy duty 3-½" casters
- 5 magnetic parts trays in the base for convenient storage
- Easy 3 piece set up

APX **86994**

MADE IN THE USA

TAIL BONE™ MECHANICS SEAT

- Puts you a low 12" off the ground
- Great for changing brakes, washing wheels or any low job
- Extra stable tri-leg design and 32" wide base make it the most stable mechanics seat on the market

Specifications

Dimensions:.....28" L x 32" W x 24" H.
Unit Capacity: .....350 Lbs.
Casters: ..... (3) 5" Dia.

BK **815-1275**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

MADE IN THE USA

TAIL BONE™ ROUGH RIDER MECHANICS SEAT

- All the great features of the standard Tail Bone with large, heavy duty wheels that can be used outdoors
- 5.275" wheels make this the go anywhere mechanics seat

Specifications

Dimensions:.....28" L x 32" W x 25" H.
Unity Capacity:.....350 Lbs.
Casters: ..... (3) 5.275" Dia.

BK **815-1276**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

Subhead

GEARWRENCH

ADJUSTABLE HEIGHT MOBILE WORK TABLE

The GEARWRENCH® Mobile Work Table is ideal for any garage or shop for quick and easy access to the tools and parts you're working with. The GEARWRENCH mobile work table allows you to handle any job with your tools within easy reach.

- Powder coated metal frame for long lasting durability
- Height adjusts from 35 to 48 inches
- Solid solvent resistant EVA mat
- 125 pound center load capacity, 65 pounds on edges
- Tray includes compartments and slots for easy access to tools and small parts
- Bumper guards on corners
- Large 3" casters for ease of movement
- Textured aluminum handle can be mounted in up or down position for user comfort
- One year limited warranty

APX **83166**

CASTER SET

Heavy-duty, hooded casters are constructed of oil and grease-resistant polyurethane. Set of two.

Item No.	Description
BK **720-1267**	2½ inch
BK **720-1318**	3 inch

CASTER SET

Use with *BK* **815-6238** and *BK* **815-6270** creepers. One Pair. 3".

BK **720-1271**

HEAVY-DUTY CASTER SET

Use with *BK* **815-5068**, *BK* **815-6241**, *BK* **815-6243**, Big Blue Creeper. One Pair. 3½".

BK **720-1272**

CARLYLE TOOLS by NAPA

SWING-OUT PARTS TRAY WITH BIN

Swing out tray with bin provides convenient parts storage under the seat.

- Swivel bracket allows you to tuck away bin under the seat when not in use
- Mounts to either side of multi-purpose stool seat
- Includes 5 x 3 in. ultra bin for parts storage
- 6¼ in. L x 9½ in. W x 3½ in. H
- For use with *CHT* **815-1343**

CHT **815-1344**

CARLYLE TOOLS by NAPA

PARTS TRAY FOR INTERIOR CAR CREEPER

Innovative tray design allows to position flashlight and parts when working under the dash.

- 1.75 in. flashlight holder with steel bottom for use with magnetic base light
- Two pockets for fasteners and small parts storage
- Mounts to either side of interior car creeper bed
- 4 in. L x 7 in. W x 3½ in. H
- Plastic
- For use with *CHT* **815-1337**

CHT **815-1338**

CARLYLE TOOLS by NAPA

LED LIGHT W/MAGNETIC BASE FOR INTERIOR CAR CREEPER

Versatile LED light with flexible arm mounts to creeper for brightly illuminating under carriage and chassis tasks.

- Accepts (3) AAA batteries (not included)
- Optional A/C adapter available
- Flexible arm allows to position light in any position
- Zoom-in and zoom-out convex lens allows to narrow or widen illumination focus
- Extra strong magnetic base assures rigid mounting
- For use with *CHT* **815-1337**

CHT **815-1339**

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CREEPER HANGER

Uniquely designed creeper hanger for mounting on wall or side of cabinet.

- Mounting brackets with pad lock loop for secured creeper storage
- Steel frame for durable performance
- Soft rubber padding on frame to prevent damage to mounting surface
- Steel
- 6 in. L x 21 in. W x 7 in. H

CHT **815-1345**

BIG UGGLY

BIG UGGLY™ KNEE PROTECTION PADS

Best cost value, highest quality, durable and most extended comfort kneeling pad protection on the market today.

- Premium closed-cell, automotive grade, engineered polymeric foam
- Oil and water resistant
- Cleans easily
- Giant 15" x 22"
- Outstanding ergonomic value

Part No.	Description
BK **C2006**	Single

TRAXION MECHANIXMAT ROLL-UP CREEPER

The MechanixMat provides a clean cushioned surface for your knees and back while working on the ground.

- Conveniently rolls up with elastic band for compact storage
- Thick, 1 in. firm closed cell foam pad provides comfort and protection
- Double-stitched upholstery is durable and easy to clean
- 46 3/4 x 25 in.

BK **813-5025**

HEIGHT ADJUSTABLE FOLDING STOOL WITH CUP HOLDER

Versatile, adjustable folding stool is ideal for use at workbenches, service desks and work tables.

- Wipe friendly vinyl upholstered seat and back for ease of maintenance
- No tools required seat height adjustment for operational efficiency
- Pivot frame allows for easy folding when stool is not in use
- Compact, portable and space saving
- 17½- 26 in. adjustability range
- 300 Lb. weight capacity

CHT **815-1342**

CARLYLE BAR STOOL

This classic Carlyle bar stool is perfect for your game room, garage or even your kitchen. This stool features a vinyl seat, which resembles leather and is particularly easy to maintain. It has a heavy-duty steel frame, so it is resilient to everyday wear and tear.

- Rubber foot pads reduce slipping
- Comfortable padded seat and backrest
- Foot rest for ultimate comfort and support
- Improved rectangular leg design for extra stability
- 360° Swivel mechanism makes it easy to get in and out

CHT **HDSTOOL**

CARLYLE TOOLS PUB TABLE

- 24 in. diameter top
- PVC top is easy to clean
- Foot rest for ultimate comfort and support
- 39 in. high
- 50 lbs. weight capacity

CHT **PT24**

PROFESSIONAL TECHNICIAN'S FENDER COVER

This professional fender cover helps prevent scratches to auto finishes. Grease-resistant non-slip vinyl wipes clean. Sewn-in tool tray. Unit dimensions 33.75" L x 24.25" W. Material type PVC.

BK **815-1328**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

MAGNETIC FENDER COVER

Cover has six high-powered magnets for a sure grip. Expanded vinyl material, 110-gauge thick.

BK **815-1016**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

FENDER COVER

Heavyweight fender cover with texture-grip back and leatherette binding. Thick, rugged, and professional cover provides the finest protection, and stays in place, even with engine at high rpm. Resists acid and grease, and has a convenient, sewn-in tool ridge. Washes clean with mild solvents or detergent. Imprinted with NAPA logo. Dimensions: 27" x 36". Color: Black with NAPA logo.

BK **815-1013**

⚠ **WARNING: Cancer and Reproductive harm – www.p65warnings.ca.gov.**

FENDER COVER

Strong, sturdy, and slip-resistant fender cover with handy ridged area for resting small tools and parts. Acid and grease resistant. Dimensions: 27" x 36". Color: Red with NAPA logo.

BK **815-1006**

FENDER COVER

Durable, lightweight fender cover at a reasonable price. Washable vinyl, with foam backing to hold it in place. Color: Blue with NAPA logo. Dimensions: 27" x 36".

BK **815-1017**

INDEX

Ramps & Wheel Chocks

HEAVY-DUTY ULTRA RAMPS
Heavy steel construction with bracing for extra safety. Full 7.5" lift allows good working height beneath vehicle, even with creeper. Ideal for cars, trucks and vans. Exceeds USA safety standards. Maximum Support Capacity: 9,000 lbs. G.V.W. Maximum Support Height: 7.5". Maximum Tire Width: 9". Quantity: One pair.

BK **820-1206**

STANDARD ULTRA RAMPS
Heavy steel construction, ideal for cars and light trucks. Full 7.5" lift allows good working height beneath vehicle, even with creeper. Capacity: 6,500 lbs. G.V.W. Maximum Support Height: 7.5". Maximum Tire Width: 9". Quantity: One pair.

BK **520-1206**

BK **815-5001**

BK **815-5002**

CAR RAMPS
Enhanced structural design makes these ramps as strong as steel. Nestable design allows for maximum cube utilization. Widest ramps in the market with 17-degree incline for low-clearance vehicles. Skid resistant feet. One pair.

Part No.	Dimensions	Capacity
BK **815-5001**	13" W x 36" L	16,000 lbs.
BK **815-5002**	12" W x 36" L	12,000 lbs.

AUTOMOTIVE WHEEL CHOCKS
Specially designed, heavy-gauge tread plate prevents slippage on pavement, ice, or snow. All joints are mig welded. Ideal for cars, trucks, vans, trailers and RVs. Weight: 4¾ lbs. Quantity: One pair.

BK **730-3998**

Buyers

RUBBER WHEEL CHOCK
Tough, reinforced-rubber construction makes this wheel chock practically indestructible. Resists sun, salt, oil and acid.
Size: 5" W x 6" L x 5" H.

BK **730-5648**

EVERCRAFT™

LIGHT DUTY WHEEL CHOCKS
Wheel chocks are constructed from steel for strength and rigidity. Foldable design for easy storage. Tooth shape rubber skin at the bottom to prevent slipping.
2,000 Lb. capacity. Marked with glossy stickers for increasing visibility. Sold and only to be used in pairs.

BK **776-1436**

CRC SmartWasher®
BIOREMEDIATING parts washing system

CRC SMARTWASHER® BIOREMEDIATING PARTS WASHING SYSTEM
Superior cleaning in an environmentally responsible parts washer that saves your shop money each year! No need to change your OzzyJuice® degreasing solution if you change your OzzyMat® at least every 30 days.

MOBILE PARTS/BRAKE SMARTWASHER®

A bioremediating parts washer - fits every application with its unique design, large sink size, mobility and amazing features. Includes an extra long angled brush/hose for those hard to reach places and a standard fixed dolly with a footstep.

SW23 Product Specifications

Inside Sink Dimensions: ..... 27" L x 23" W x 8" H
Overall Dimensions: ..... 43" L x 27" W x 42" H
Load Capacity: ..... 400 lbs.

Item No.	Description
SW **SW323**	Ships with SW3 Truck Grade OZZYJUICE & 1 OZZYMAT
SW **SW423**	Ships with SW4 Heavy Duty OZZYJUICE & 1 OZZYMAT
SW **SW623**	Ships with SW6 Select Metals OZZYJUICE & 1 OZZYMAT
SW **SW723**	Ships with SW7 High Temperature OZZYJUICE & 1 OZZYMAT
SW **SW823**	Ships with SW8 Aircraft & Weapons OZZYJUICE & 1 OZZYMAT
SW **SW1751310**	Ships with SWX1 High-Performance Aqueous OZZYJUICE and 1 OZZYMAT

THE SIGNATURE SMARTWASHER®

A bioremediating parts washing system - fits every budget and has everything you need and then some: Toggle switch controls, a flow control timer, adjustable thermostat,and a super capacity pump.

SW25 Product Specifications

Inside Sink Dimensions: ..... 26" L x 17" W x 8" H
Overall Dimensions: ..... 39" L x 29" W x 40" H
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW325**	Ships with SW-3 Truck Grade OZZYJUICE & 1 OZZYMAT
SW **SW425**	Ships with SW-4 Heavy Duty OZZYJUICE & 1 OZZYMAT
SW **SW625**	Ships with SW-6 Select Metals OZZYJUICE & 1 OZZYMAT
SW **SW725**	Ships with SW-7 High Temperature OZZYJUICE & 1 OZZYMAT
SW **SW825**	Ships with SW-8 Aircraft & Weapons OZZYJUICE & 1 OZZYMAT
SW **SW1751311**	Ships with SWX1 High-Performance Aqueous OZZYJUICE and 1 OZZYMAT

THE SUPERSINK SMARTWASHER®

A bioremediating parts washing system – proving that bigger is better! This model is loaded with features and includes an extra large work surface for all jobs, large or small. A 2nd workstation can easily be added allowing two people to work at the same time.

SW28 Product Specifications

Inside Sink Dimensions: ..... 41" L x 26" W x 8" H
Overall Dimensions: ..... 47" L x 38" W x 42" H
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW328**	Ships with SW3 Truck Grade OZZYJUICE & 1 OZZYMAT
SW **SW428**	Ships with SW4 Heavy Duty OZZYJUICE & 1 OZZYMAT
SW **SW628**	Ships with SW6 Select Metals OZZYJUICE & 1 OZZYMAT
SW **SW728**	Ships with SW7 High Temperature OZZYJUICE & 1 OZZYMAT
SW **SW828**	Ships with SW8 Aircraft & Weapons OZZYJUICE & 1 OZZYMAT
SW **SW1751312**	Ships with SWX1 High-Performance Aqueous OZZYJUICE and 1 OZZYMAT

THE SUPERSINK XE SMARTWASHER®

A bioremediating parts washing system - the biggest, the best, the works! This SuperSink SMARTWASHER XE is fully loaded: Toggle switch controls, a flow control timer, adjustable thermostat, super capacity pump, extra large work surface and two work/brush stations. A light kit and parts basket are also standard equipment with this model.

SW28XE Product Specifications

Inside Sink Dimensions: ..... 41" L x 26" W x 8" H
Overall Dimensions: ..... 47" L x 38" W x 42" H
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW328XE**	Ships with SW3 Truck Grade OZZYJUICE & 1 OZZYMAT
SW **SW428XE**	Ships with SW4 Heavy Duty OZZYJUICE & 1 OZZYMAT
SW **SW628XE**	Ships with SW6 Select Metals OZZYJUICE & 1 OZZYMAT
SW **SW728XE**	Ships with SW7 High Temperature OZZYJUICE & 1 OZZYMAT
SW **SW828XE**	Ships with SW8 Aircraft & Weapons OZZYJUICE & 1 OZZYMAT
SW **SW1751313**	Ships with SWX1 High-Performance Aqueous OZZYJUICE and 1 OZZYMAT

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CRC SmartWasher®
BIOREMEDIATING parts washing system

MOBILE HEAVYWEIGHT SMARTWASHER®

A bioremediating parts washer- tough enough for the big jobs, the SW37 has an enormous 1000 lb. load capacity, moves easily through the shop area on a mobile dolly or can stay in one place with locking casters. Provides a large, oversized sink to accommodate multi-sized parts. This one-of-a-kind design also features interchangeable brush options and a brand new control assembly that is completely detachable for easy maintenance.

SW37 Product Specifications

Inside Sink Dimensions: ..... 33" L x 27" W x 8" H
Overall Dimensions: ..... 48" L x 35" W x 45" H
Load Capacity: ..... 1000 lbs.

Item No.	Description
SW **SW337**	Ships with SW3 Truck Grade OZZYJUICE and 1 OZZYMAT
SW **SW437**	Ships with SW4 Heavy Duty OZZYJUICE and 1 OZZYMAT
SW **SW637**	Ships with SW6 Select Metals OZZYJUICE and 1 OZZYMAT
SW **SW737**	Ships with SW7 High Temperature OZZYJUICE and 1 OZZYMAT
SW **SW837**	Ships with SW8 Aircraft & Weapons OZZYJUICE and 1 OZZYMAT
SW **SW1751314**	Ships with SWX1 High-Performance Aqueous OZZYJUICE and 1 OZZYMAT

CRC SMARTWASHER® BENCHTOPPRO® BIOREMEDIATING PARTS WASHER

SW **1000872**

The first bioremediating benchtop parts washer designed for the small repair shop or home garage. Whether you're a weekend warrior or a professional mechanic, the BENCHTOPPRO will tackle your toughest parts cleaning jobs. The cleaning power of a solvent without hazardous waste to dispose. Non-hazardous, non-toxic and non-flammable.

Item No.	Description
SW **1000872**	SmartWasher BENCHTOPPRO 110v Kit 1XKIT
SW **1750987**	SmartWasher BENCHTOPPRO BT-5 Ready-to-use 6X1GL
SW **1751154**	SmartWasher BENCHTOPPRO MicroPRO Pack 36X4PACK
SW **1751155**	SmartWasher BENCHTOPPRO Transformer 110V 6X1TRANSFORMER
SW **1751156**	SmartWasher BENCHTOPPRO Pump & Wiring Harness 6X1PUMP
SW **1751157**	SmartWasher BENCHTOPPRO Angled Brush 6X1BRUSH
SW **1751164**	SmartWasher BENCHTOPPRO Power Switch 6X1 POWER SWITCH

⚠ **WARNING: (*SW* 1000872) Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

OZZYMAT® FILTER

SW **FL3**

SW **FL4**

The key component of the CRC SMARTWASHER System, the patented OZZYMAT is how you introduce our OZZY microbes into the CRC SMARTWASHER system to reduce excess clogging for 30 days, or (1) month. The OZZYMAT must be changed each month to add more microbes and keep the microbe (OZZYs) colony healthy so your CRC SMARTWASHER system continues to work at peak performance. SW FL4 The Multi-Layer OZZYMAT is designed for normal to heavy use applications. The OZZYMAT has (4) white layers and (1) blue layer. The white layers on the mat are designed to trap any particulate larger than 50 Microns. Peel off one white layer each week. The blue layer provides support for the microbes (OZZYs) embedded in the mat. These microbes (OZZYs) migrate from the OZZYMAT into the OZZYJUICE, located in your CRC SMARTWASHER tank, and break down ("eat") hazardous waste. SW FL3 - The Single Layer OZZYMAT® -Is designed for light usage applications. It has (1) white layer and (1) blue layer. The white layer on the mat is designed to trap any particulate larger than 50 Microns. The blue layer provides support for the microbes (OZZYs) embedded in the mat. These microbes (OZZYs) migrate from the OZZYMAT into the OZZYJUICE, located in your CRC SMARTWASHER tank, and break down ("eat") hazardous waste.

Item No.	Description
SW **FL4**	Multi-Layer OZZYMAT filter
SW **FL3**	Single-Layer OZZYMAT filter

OZZYBOOSTER®

OZZYBOOSTER is a microbial enhancer that customers can use to boost microbial activity or increase the amount of microbes working in the SMARTWASHER. It contains new microbes and nutrients that expand the available "territory" in which the microbes can eat and breed. Add entire container of OZZYBOOSTER directly into the base of the SMARTWASHER system.

SW **3100OZBST250**

ODOR NEUTRALIZER

The Odor Neutralizer can take care of any odor that you may have in your SMARTWASHER. It is green apple scented and can cover up any smell that might be coming from the dirty, grimy, smelly parts you are cleaning. Add the entire 4 oz. container directly into your SMARTWASHER.

SW **3335SCENT4**

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CRC SmartWasher®
BIOREMEDIATING parts washing system

OZZYJUICE® DEGREASING SOLUTIONS

The award winning and patented OZZYJUICE cleaning solutions are pH neutral mixtures of emulsifiers and surfactants containing no hydrocarbon solvents. They are non-toxic, non-caustic, non-flammable, and non-hazardous oil dispersants and degreasers. These aqueous based formulas are not regulated by OSHA or DOT and contain no known carcinogens, no ingredients requiring SARA Title III reporting, no RCRA hazardous waste chemicals and no items on the CERCLA hazardous substances list. Working hand-in-hand with the SMARTWASHER, the world's best selling bioremediating parts washing system, the award winning, patented OZZYJUICE Degreasing Solutions can tackle the toughest parts cleaning applications around.

- Non-Polluting
- Non-Toxic
- Non-Corrosive
- Non-Flammable
- Certifications and Approvals: SCAQMD, NSF

SW **SW4**

For use in the SMARTWASHER

Item No.	Description
SW **SW1**	OZZYJUICE Degreasing Solution. (1) 5-gallon box for standard parts cleaning.
SW **SW3**	Truck Grade OZZYJUICE Degreasing Solution. (1) 5-gallon box aggressive solution used for tough cleaning applications.
SW **SW4**	Heavy-Duty OZZYJUICE Degreasing Solution. (1) 5-gallon box aggressive solution used for your toughest cleaning applications. Use at both low and high temperature settings with the same great result.
SW **SW6**	Select Metals OZZYJUICE Degreasing Solution. (1) 5-gallon box strong solution for sensitive metals - copper, brass, aluminum, etc.
SW **SW7**	Parts/Brake High Temperature OZZYJUICE Cleaning Solution. (1) 5-gallon box aggressive solution used for brakes or tough cleaning applications
SW **SW8**	Aircraft & Weapons OZZYJUICE Degreasing Solution. (1) 5-gallon box of degreasing solution for sensitive aircraft and weapons metals.
SW **SW1751304**	High Perfromance Aqueous OZZYJUICE Degreasing Solution. (1) 5-gallon box of degreasing solution for heavy duty cleaning applications

OZZYJUICE

OzzyJuice® Degreasing Solutions Application	SW1 Degreasing Solution	SW3 Truck Grade Degreasing Solution	SW4 Heavy Duty Degreasing Solution	SW6 Select Metals Degreasing Solution	SW7 Parts/Brake Cleaning Solution	SW8 Aircraft & Weapons Degreasing Solution	SW1751304 (SWX1) High-Performance HD Degreasing Solution
Crude Oil	Excellent	Excellent	Excellent	Good	Excellent	Good	Superior
Hydraulic Transmission Fluid	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Superior
Motor Oil	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Superior
Solder & Flux	Excellent	Excellent	Excellent	Good	Excellent	Good	Superior
Bearing Grease	Good	Excellent	Excellent	Good	Excellent	Good	Superior
Automotive Grease	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Superior
Resin Products	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Superior
Fifth Wheel Grease	Good	Excellent	Excellent	Good	Excellent	Good	Superior
Creosote	Excellent	Excellent	Excellent	Good	Excellent	Good	Superior
Impacted Grease	Good	Excellent	Excellent	Good	Excellent	Good	Superior
Animal Fat	Good	Excellent	Excellent	Fair	Good	Fair	Excellent
Automotive Varnish	Excellent	Good	Good	Good	Excellent	Good	Superior
Burned-On Carbon	Excellent	Good	Excellent	Good	Excellent	Good	Superior
Cutting Oils	Excellent	Good	Good	Good	Good	Good	Superior
Ink/Toner	Excellent	Fair	Good	Fair	Good	Fair	Good
Asphalt	Good	Good	Good	Fair	Good	Fair	Good

SMARTWASHER® COVERS

SMARTWASHER Covers are custom made to fit your specific model SMARTWASHER machine. Covers are equipped with a locking clasp to use as needed. Durable enough to stand up against OZZYJUICE, durable enough for your needs!

Item No.	Description
SW **1130SWCOV23**	For use with SW23 model
SW **1130SWCOV25**	For use with SW25 & SW25C models
SW **1130SWCOV28**	For use with SW28 model
SW **1130SWCOV37**	For use with SW37 model
SW **130SWCOV28XE**	For use with SW28XE model

SW **1130SWCOV23**

SW **1130SWCOV37**

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FOUNTAIN INDUSTRIES

AUTOMATIC FRONT-LOAD SPRAY CABINET

Large, 70 gallon capacity part washing system has four casters for complete mobility, 40" inside working height, and 30" friction-driven turntable that will not break due to lodged parts. Adjustable, 0-60 minute heat timer allows you to keep solution hot overnight. 12" stainless steel disk skimmer can tell the difference between oil and solution, while the 12" disk keeps solution cleaner and longer lasting. Stainless steel, gasket-free front door offers maintenance-free operation, and center spray bar folds down providing easy access when cleaning smaller parts. Two heaters supply 9.0 KW heating capacity, while liquid level sensor automatically turns heaters off before they burn out. Also features removable tree rack, high-volume 3.0 HP pump with stainless steel impeller, 500 lb. weight capacity, and stainless steel nozzles for lower maintenance costs.
Dimensions: 50" L. x 42" W. x 65" H. Voltage: 230V/60Hz/1Ph.
Amps: 60. Weight: 1,070 lbs.

Item No.	Description
BK **392-1105**	Automatic Front-Load Spray Cabinet
BK **393-1017**	Aluminum Safe Detergent
BK **393-1018**	Defoamer

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

AUTOMATIC TOP-LOAD SPRAY CABINET

Requires no more floor space than standard 30 gallon, drum-mounted part washers. Large 24" turntable, with 23" inside working height. Large, 32 gallon reservoir and friction turntable drive. Liquid level sensor and moveable top arm for easy loading and unloading. Adjustable, 0-60 minute cycle timer. High-volume 1.0 HP pump with stainless steel impeller, one heater with 4.5 KW heating capacity. Stainless steel, gasket-free lid for maintenance-free operation.
Dimensions: 36" L. x 34" W. x 50" H.
Voltage: 230V/60Hz/1Ph. Amps: 30. Weight: 416 lbs.

BK **392-1103**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

SPRAYMASTER 9600 FRONT LOAD

Front load automatic spray cabinet washer with stainless steel door. Equipped with automatic oil skimmer and fluid level shut off to protect the heater elements. 30" turntable and 1,000 lb. load capacity. For use with an aqueous based cleaning solution. 230V 1 Phase.

FTP **61553**

FOUNTAIN INDUSTRIES

AQUEOUS HEATED PARTS WASHER

Parts washer and fluid reservoir are built to last with heavy-duty, rotational molded plastic. Corrosion-resistant, heavy-duty pump features adjustable fluid control spigot and flow-thru brush. Parts washer can also be removed from fluid reservoir in minutes for easy servicing. Reservoir is engineered to provide excellent tank stability, while filter system (cartridge *BK* **770-3691**) prolongs fluid life. Includes ground fault circuit interrupter for added safety. Heater, pump, thermostat, and fluid level sensor are mounted in reservoir for easy access and service. Other features include: Automatic thermostat preset to 110° F, low level fluid sensor, heavy-duty door closure assembly with fusible link, and dual heater and pump switches. Optional version oil skimmer (*BK* **393-1007**) also available.
Volts: 115V/60Hz/1Ph/15 Amps. Operating fluid capacity: 25-30 gallons.
Overall dimensions: 42" L. x 38" H. (35" W. w/reservoir).
Tank dimensions: 26" W. x 36" L. x 10" D. Weight: 170 lbs. CSA approved.

Item No.	Description
BK **393-1006**	Parts Washer
BK **770-3691**	Filter System Replacement Cartridge
BK **393-1015**	Water-Based Degreaser, 5 gal.

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

SPRAYMASTER 9300 45-GALLON FRONT-LOADING SPRAY WASH CABINET

- Large 30" turntable
- 40" inside working height
- High volume 1 H.P. pump with stainless steel impeller
- 6.0kW heating capacity
- Adjustable cycle timer from 0 to 60 minutes
- Adjustable thermostat control with live temperature display
- Large 45 gallon fluid capacity
- Large 500 lb. weight capacity
- Friction turntable drive will not break if a part becomes lodged
- Liquid level sensor automatically turns off the heater and pump before they burn out
- Spray nozzles for precise flow coverage control
- Portable with (4) casters

Available Accessories Include: oil skimmer, fold down intermediate spray bar, parts tree rack, auto fill, and exhaust duct fan

FTP **64692-01**

FOUNTAIN INDUSTRIES

SPRAYMASTER 9400 SPRAY WASH CABINET

Economy all-carbon steel front load automatic spray cabinet washer. Equipped with automatic oil skimmer and fluid level shut off to protect the heater elements. 30" Turntable and 1,000 lb. load capacity. 230V 1 phase. For use with an aqueous based cleaning solution.

FTP **194087**

FOUNTAIN

SPRAYMASTER 9800-SS 230V 3PH W/SKIMMER

Stainless steel front load automatic spray cabinet washer. Equipped with automatic oil skimmer and fluid level shut off to protect the heater elements. 40" turntable and 2,000 lb. load capacity. 230V 3 phase. For use with an aqueous based cleaning solution.

FTP **64521**

FOUNTAIN

SPRAYMASTER 9200 30-GALLON AQUEOUS PARTS WASHER

The SprayMaster 30-Gallon Aqueous Parts Washer is a fully-featured parts washer that uses an aqueous system that is much safer than using solvents. This unit has a large 24in. turntable, 23in. inside working height, high volume pump with stainless steel impeller and stainless steel gasket-free lid. 4.5 KW heating capacity, adjustable cycle timer, liquid level sensor and moveable top arm.

FTP **61552**

FOUNTAIN

CLEANMASTER 200

30 Gallon Parts Washer With soak tank
Designed for use in small engine repair and machine shops, service stations, industry, transmission and engine overhaul shops, and agricultural markets

- For use with petroleum solvents with a flash point over 104°F
- Not to be used with chlorinated solvents
- Durable, baked on powder coated epoxy finish
- Heavy-duty metal stand and shelf
- "Stay-Put" flexible metal hose
- Screened sludge filter pad
- Removable inside cabinet shelf
- Built-in drain with plug

FTP **61570**

FOUNTAIN

CLEANMASTER 230

30 Gallon Drum Mounted Parts Washer
Built to last for years of reliable service

- For use with petroleum solvents with a flash point over 104°F
- Not to be used with chlorinated solvents
- Meets 0.75 requirements
- Galvanized drawn steel tank
- Durable, baked on powder coated epoxy finish
- Heavy-duty pump
- "Stay-Put" flexible metal hose directs and holds power rinse where you want it with flow-thru brush

FTP **61571**

FOUNTAIN

ECOMASTER SUNSET BIO 115V SRBLPE+ BUNDLE

- 25 Gallon biological parts washer
- No Contract Needed + minimized maintenance and waste
- Easy-to-Clean Reusable Filter
- Simple Micro-organism Regeneration with a Tablet
- Solvent-Free Operation Means No Solvent Residue or Fire Hazard
- Heating Element Maintains 100°F Solution Temp
- Inside Sink Dimensions - 31" x 16" x 7" with 8G Soaking Volume
- Includes Parts Washer, 5 Cans Blue Liquid (5 Gallons Each), 4 Blue Tablets

FTP **63536**

FOUNTAIN

PARTS WASHER AQ 4000 WITH SKIMMER

30-gallon reservoir mounted heated aqueous parts washer. Equipped with dual filter system, flow-through brush and spigot. For use with an aqueous based cleaning solution. 230V.

FTP **61557**

FOUNTAIN

PARTS WASHER AQ 5000

30-gallon reservoir mounted heated aqueous parts washer. Equipped with dual filter system, flow-through brush and spigot. For use with an aqueous based cleaning solution. 230V.

FTP **61558**

FOUNTAIN

BRAKE WASHER, AQ KT1435

Aqueous portable heated brake washer. Drum mounted and equipped with dual filtration system, flow-through brush and spigot.

FTP **61554**

FOUNTAIN

ECOMASTER GRAVITY ELEC 115V SRBLPE+ BUNDLE

Mobile aqueous multifunctional parts cleaner. For brake washing and standard parts cleaning/soaking. Also available in air configurations.

FTP **64714**

FOUNTAIN INDUSTRIES

WASHER ACCESSORIES

Part No.	Description
FTP **61574**	Flex Hose Nozzle
FTP **61575**	Door Closure
FTP **61548**	Brush, HD Package
FTP **61569**	Drum Liner, 30 Gallon
FTP **61735**	Basket, Metal Parts Washer
FTP **61549**	Light Assembly
FTP **64860**	Skimmer Assembly, 9300
FTP **64861**	Auto Fill, 9300
FTP **64862**	Parts Tree, 9300
FTP **64863**	Spray Bar, Intermediate 9300
FTP **64864**	Filter Assembly, Inline 9300
FTP **64865**	Kit, Skimmer Assembly 9300
FTP **64866**	Kit, Auto Fill 9300
FTP **64867**	Kit, Parts Tree 9300
FTP **64868**	Kit, Spray Bar Intermediate
FTP **64869**	Kit, Filter Assembly Inline 9300
FTP **64283**	Kit, Duct Fan Assembly for SprayMaster

CARLYLE TOOLS by NAPA

20 GAL. PARTS WASHER

- Fusible linked lid arm to prevent accidental injury in case of fire
- Includes washing basket for cleaning smaller parts
- 3.2 Mil epoxy-polyester powder coat paint finish
- Large one-piece tank for cleaning big parts
- Solid steel design that won't leak
- Removable work surface tray
- 5.6 GPM max. flow rate
- Electric pump included
- Pump on/off switch
- Flexible nozzle

CHT **PW20G**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

40 GAL. PARTS WASHER

- Fusible linked lid arm to prevent accidental injury in case of fire
- Includes washing basket for cleaning smaller parts
- 3.2 Mil epoxy-polyester powder coat paint finish
- Large one-piece tank for cleaning big parts
- Solid steel design that won't leak
- Removable work surface tray
- 5.6 GPM max. flow rate
- Electric pump included
- Pump on/off switch
- Flexible nozzle

CHT **PW40G**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

SOLVENTS, DETERGENTS, AND DEGREASERS

Part No.	Description
FTP **61573**	AQ 1 Gallon KT600C
FTP **61572**	Solvent, Filter System
FTP **14-11826**	Detergent, Liquid Storm (4) 1 Gallon
FTP **05108**	Detergent, Blue Tablet SRBT
FTP **61562**	Detergent, 50 lb. Pail KT700C
FTP **05105**	Detergent, Blue liquid, SRBLPE+ 5 Gallon
FTP **05150**	Detergent, Super Concentrate X12 1 Quart Kit
FTP **193524**	Degreasol 99R, 55 Gallon Drum
FTP **193523**	Degreasol 99R, 5 Gallon Pail
FTP **61560**	Degreaser, 5 Gallon KT600-5
FTP **61563**	Defoamer, KT710-2 1 Gallon

FOUNTAIN INDUSTRIES

FILTERS AND PADS

Part No.	Description
FTP **61568**	Fitter Pad, Parts Washer 10 Gallon
FTP **61550**	Oil Absorbent Pads (25 package)
FTP **61567**	Filter Pad, PW KY1030
FTP **61551**	Pad, Filter Package
FTP **61565**	Filter, 10 Micron
FTP **61566**	Filter, 50 Micron

FOUNTAIN INDUSTRIES

AQUEOUS PORTABLE BRAKE WASHER

Ideal for brake cleaning applications with easy waste disposal. Convenient, safe, and OSHA's preferred method of controlling brake dust. Flow-thru brush with fluid adjustment valve, and convenient, flexible metal spigot make your job fast and easy. Dual filtration system ensures clean solution at all times, and 15 gallon heavy-duty drum offers stability and long life. Designed for easy servicing—basin can be removed from drum in minutes! Can also be used as a portable part washer. Other features include On/Off valve, heavy-duty drum dolly with two locking/two regular casters, heavy-duty air pump, and standard adjustable pressure regulator.

Fluid capacity: 8-12 gallons. Overall dimensions: 28" W. x 28" L. x 41" H. Basin dimensions: 20" W. x 24" L. x 7" D. Weight: 50 lbs.

BK **393-1000**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

30 GAL. SOLVENT PARTS WASHER

This clean and soak solvent parts washer is ideal for use in service stations, garages, tool shops, laboratories, inspection departments, or any service/repair facility. Designed for heavy-duty cleaning as well as normal day to day cleaning jobs. Durable baked on powder coated epoxy finish with heavy-duty spring loaded door closure assembly with fusible link.
Voltage: 115VAC/60Hz/1Ph/1 Amp.
Weight: 133 Lbs.

Item No.	Description
BK **823-2901**	Parts Washer
BK **770-2324**	Light
BK **770-6845***	Sludge Filter Pad
BK **770-6854**	Metal Parts Basket
BK **770-9730**	Flexible Spigot

Included with Parts Washer.

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDUSTRIAL DRUM-MOUNTED PARTS WASHER

30 Gallon solvent parts washer built to last for years of reliable service. Equipped with flow-through brush and "stay put" flexible spigot that directs and holds power rinse where you want it. Durable baked on powder-coated epoxy finish and heavy-duty spring loaded door closure assembly.

Specifications

Overall Dimensions:..... 34½" L. x 26½" W. x 63" H.
Inside Dimensions:..... 32" L. x 24" W. x 7½" H.
Weight: ..... 68 Lbs.
Inside Tank Width: ..... 24"
Inside Tank Depth: ..... 7½"

Item No.	Description
BK **823-2914***	30 Gallon Parts Washer
BK **827-1095**	Filter System, sold separately
BK **770-3690**	10 Micron Replacement Filter for *BK* **827-1095**
BK **770-3691**	50 Micron Replacement Filter for *BK* **827-1095**
BK **770-6866**	30 Gallon Barrel Liner

Barrel not included.

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TABLE TOP AQUEOUS PARTS WASHER

Table top aqueous parts washer non-heated. Equipped with flow-through brush which works great for cleaning small parts.

Specifications

Fluid Capacity: ..... 5 Gallons
Voltage: ..... 115V/60Hz/1Ph/1 Amp
Tank Dimensions:... 19½" J. x 14" W. x 7½" H.
Overall Dimensions: ... 22" L. x 16" W. x 24" H.
Weight: ..... 20 Lbs.

BK **393-1003**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

HEAVY-DUTY WATER-BASED DEGREASER

Aqueous, non-hazardous cleaning degreaser for a range of industries. Quickly removes grease, oil and other organic deposits, including ink. Non-soy formulation and advanced corrosion protection.

Item No.	Description
BK **827-2543**	1 gal.
BK **393-1015**	5 gal.
BK **393-1016**	55 gal.

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUNTAIN INDUSTRIES

DEFOAMER

Effectively controls foam in individual spray cabinets and agitated hot tanks. Does not inhibit cleaning action. Defoams at temperatures over 130° F (54.4° C). Contains no residue-causing silicone. Requires very low usage amounts. Concentrated, non-silicone.

BK **393-1018** 1 gal.

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CLEANING SPRAY GUN

An improved spray unit for applying kerosene or other cleaning solvents with compressed air. Removes dirt, grease and oil from engine, parts, motors, generators and machinery.

Item No.	Description
BK **715-1530**	Spray Gun
BK **715-9574**	8 ft. Neoprene Fluid Hose

⚠ **WARNING: (*BK* 715-1530) This product may expose you to NICKEL, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

⚠ **WARNING: (*BK* 715-9574) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY PARTS CLEANING BRUSH

For use with or without a parts washer. Heavy-duty, flow-through parts cleaning brush with nylon bristles. Attachable to any ⅛" parts washer spigot.

BK **760-1491**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PARTS CLEANING BRUSH

Brush removes grease and dirt from automotive parts. Strong wooden handle with durable polypropylene bristles will hold up under repeated use in cleaning solvents. Handle Length: 7". Brush Length: 11".

SER **242**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Parts Washers & Accessories, Sandblast Cabinets

EVERCRAFT

PARTS CLEANING BRUSH
Heavy-duty bristles can be used with most solvents, and will not collapse. Ideal for cleaning hard-to-reach areas.

BK **776-9077**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

METAL ACID BRUSH

1/4" x 3/4" x 6".

BK **760-1441**

⚠ **WARNING: This product can expose you to chemicals including DEHP which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

WIRE ACID BRUSH

Stiff black horsehair secured in twisted wire. 1/2" x 1 3/4" x 7 1/2".

BK **760-1440**

⚠ **WARNING: This product can expose you to chemicals including LEAD which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warning.ca.gov.**

CARLYLE TOOLS by NAPA

HOLD IT MAGNETIC VISE JAWS
Fits all vises. Made from rigid aluminum construction. Two rare neodidium magnets on one side. Holds sockets, screws, rings, C-clips and springs for repair projects. Holds threaded steel objects rigid without damage to threads. Makes removal of U-joints a one-man operation.

SER **HE3**

CARLYLE TOOLS by NAPA

5 GAL. PARTS WASHER
- Fusible linked lid arm to prevent accidental injury in case of fire
- 3.2 Mil epoxy-polyester powder coat paint finish
- Single-piece tank for cleaning small parts
- Solid steel design that won't leak
- Removable work surface tray
- 0.6 GPM max. flow rate
- Electric pump included
- Pump on/off switch
- Flexible nozzle

CHT **PW3G**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLOW-THRU SYSTEM WITH BRUSH AND VENTURI

Features stainless steel and abrasive nylon brushes, and a venturi that attaches to an ergonomic, anodized-aluminum handle with integrated flow-control valve. It provides an unparalleled cleaning performance when air pressure is combined with degreasing solvent and simultaneous scrubbing action via the flow-through brush heads.
- For cleaning, degreasing and application of various solvents
- Interchangeable twisted-wire stainless steel and industrial-strength nylon brushes
- Venturi allows for application of solvents under pressure, i.e. degreasers, rust converters, etc.
- Integrated flow valve for ultimate control with pressurized solvents (145 psi)
- Simultaneously dissolve, dislodge and brush away debris
- Unparalleled cleaning in parts washing sink or portable cleaning with air supply
- Recessed high-power magnet (N40) for easy storage
- Self-cleaning design: uses less solvent and keeps work station cleaner
- Countless applications: parts washing, degreasing, on-engine cleaning, fluid evacuations and more

BK **8091**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

220 LITER CAPACITY SANDBLAST CABINET
- 3.2 Mil epoxy-polyester powder coat paint finish
- Equipped with a drain plug for easy cleaning
- Impact-protected light with on/off switch
- Large tank for cleaning big parts
- Removable mesh-design work surface tray
- 120 PSI maximum operating pressure
- 33 Liter maximum media capacity
- Solid steel design that won't leak
- 10 Protective window covers
- 4 Ceramic nozzles included
- Replaceable work gloves

CHT **ACBT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

220 LITER CAPACITY BENCH TOP SANDBLAST CABINET
- 3.2 Mil epoxy-polyester powder coat paint finish
- Equipped with a drain plug for easy cleaning
- Impact-protected light with on/off switch
- Large one piece tank for cleaning big parts
- Removable mesh-design work surface tray
- 120 PSI maximum operating pressure
- 7.4 Liter maximum media capacity
- Solid steel design that won't leak
- 3 Protective window covers
- 4 Ceramic nozzles included
- Replaceable work gloves

CHT **AC220LV**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

https://www.wiltontools.com/us/en/home/

ATV® ALL-TERRAIN VISES

Secure it in your hitch or mount in it your bench.

Ideal For:
- Construction
- Automotive
- Farm and ranch
- Off roaders

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **10025**	5"	6"	4.25"	7/8" - 3"	25.5 lbs.
JET **10010**	6"	5 3/4"	5"	3/4" - 3"	34 lbs.
JET **10300**	Mounting Bracket				6 lbs.
JET **ATVBUNDLE**	6in ATV, 10" Riser, Locking Pin				

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

UTILITY VISES

Ideal for any job.

Replaceable Steel Jaws:
- Furnished with a serrated pattern to insure strength and long life

Large Anvil:
- Designed to take a pounding while forming and shaping materials

180° Locking Swivel Base:
- Single lock down provides quick and easy positioning
- Lifetime Warranty

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **28818**	4 1/2"	4"	2 5/8"	1/8" – 2"	19 lbs.
JET **28819**	5 1/2"	5"	3 1/4"	1/8" – 2 1/2"	29 lbs.
JET **28820**	6 1/2"	5 1/2"	3 13/16"	1/8" – 2 1/2"	42 lbs.
JET **28815**	6 1/4"	6"	4 3/8"	1/8" – 3"	63 lbs.
JET **28816**	8"	7 1/2"	4 1/2"	1/8" – 3"	86 lbs.

⚠ **WARNING: (*JET* 28818, *JET* 28819, *JET* 28820, *JET* 28815 & *JET* 28816) This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

SPECIAL EDITION UTILITY VISES

- Powder coat paint resists scratches and provides a tough durable surface
- Replaceable hardened steel jaws with a serrated pattern ensure grip and a long life
- Dual lock-downs and a 360° swivel base
- Built-in pipe jaws handle a range of pipe sizes
- Large anvil work surface for forming and shaping materials
- Perfect for general clamping applications

Item No.	Jaw Width
JET **50005**	5"
JET **50006**	6.5"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRADESMAN INDUSTRIAL VISES

- Enclosed design keeps lubrication in and contaminants out for a lifetime of smooth operation
- Redesigned spindle assembly improves overall product life and durability
- Precision slide bar eliminates movement in the front jaw regardless of opened distance
- Machined steel serrated jaws with phosphate coating provide increased durability and an extended life of use
- Reversible jaw inserts are serrated on one side for extra grip and smooth on the other to prevent marring on softer surfaces

Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **28805**	4 1/2"	3 1/2"	3 1/2"	1/4" – 3 1/2"	42 lbs.
JET **28806**	5 1/2"	5"	3 5/8"	3/8" – 3 1/2"	52 lbs.
JET **28807**	6 1/2"	6"	4 1/2"	3/8" – 4"	71 lbs.
JET **28808**	8"	6 3/4"	5"	3/8" – 4 1/2"	111lbs.

⚠ **WARNING: (*JET* 28805, *JET* 28806, *JET* 28807& *JET* 28808) This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

WILTON MECHANICS PRO VISE

- Precision Machined Slide Bar – Eliminates movement in the front jaw regardless of opened distance
- Enclosed Spindle – Keeps lubricants in and contaminants out for smooth operation
- Needle Roller Thrust Bearing -- Easier to apply & release greater clamping force
- 60,000 psi Ductile Iron Movable Jaw & Base – Greater durability with lighter weight material
- Large Anvil Work Surface – Accommodates a wide range of striking needs

JET **28810**

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity
JET **28810**	4 1/2"	4"	3 1/2"	1/4" – 3"
JET **28811**	5 1/2"	5"	3 5/8"	1/4" – 3"
JET **28812**	6 1/2"	6"	4 3/8"	1/4" – 4"
JET **28813**	8"	8 1/2"	4 1/2"	1/2" – 4"
JET **28814**	10"	12"	5 1/4"	1/2" – 5"

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

MECHANICS BENCH VISES

30,000 PSI Ductile Iron Body:
- Heavy-duty castings are built for rugged use and extended life

Lifetime Lubrication:
- Grease is permanently sealed in for trouble-free service

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Weight
JET **21300**	4"	4 1/2"	3 7/16"	1/4" – 2"	36 lbs.
JET **21400**	5"	5 1/4"	3 3/4"	1/4" – 2 1/2"	53 lbs.
JET **21500**	6"	5 3/4"	4 1/8"	1/4" – 3 1/2"	69 lbs.
JET **21800**	8"	8 1/4"	4 3/4"	1/4" – 3 1/2"	92 lbs.

⚠ **WARNING: (*JET* 21300, *JET* 21400, *JET* 21500 & *JET* 21800) This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

Workshop Vises

WILTON

5 IN. SAFETY YELLOW MECHANICS' VISE

- Wilton High-Vis Vises conform to OSHA standards for physical hazards regulation #1910.144.

JET **63187**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

WILTON

MECHANIC'S VISE AND C-CLAMP KIT

- Included: 21500A Special Edition Mechanics Vise, Drop Forged C-Clamp 0-2 1/8" Opening, Drop Forged C-Clamp 0-4 1/4" Opening, Drop Forged C-Clamp 0-6/16" Opening

JET **21500K**

WILTON B.A.S.H SPECIAL EDITION

SE 855M MECH PRO 5-1/2 VISE INCLUDE 55214

- 2.2lb 14" Dead Blow Hammer
- Dead blow function eliminates bounce back when striking hard-ened surfaces

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity
JET **28811DB**	5 1/2"	5"	3 5/8"	1/4" – 3"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WILTON B.A.S.H SPECIAL EDITION

6-1/2 IN. VISE AND 4 LB. SLEDGE HAMMER BUNDLE

- Includes 6 1/2" utility vise (*JET* **11128**) and 4 lb. sledge hammer (*JET* **20412**)

JET **11128BH**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

WILTON B.A.S.H SPECIAL EDITION

BLACK 1755 WITH BASH

- Includes Black edition 51/2" Trades-man vise *JET* **28806** and 4 lb. BASH sledgehammer *JET* **20214**

JET **28806A**

⚠ **WARNING: California Prop 65 - This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm**

https://www.wiltontools.com/us/en/home/

IRWIN

VG **226306ZR**

HEAVY-DUTY WORKSHOP VISES

- Swivel base for easy positioning
- Anvil for forming and shaping
- Integral pipe jaws

Item No.	Vise Size	Jaw Opening	Throat Depth	Weight
VG **226304ZR**	4"	4 1/4"	2 1/2"	24 lbs.
VG **226305ZR**	5"	6 1/2"	3 3/8"	38.75 lbs.
VG **226306ZR**	6"	8 3/4"	3 3/8"	58.75 lbs.

IRWIN

3 IN. CLAMP-ON WORKSHOP VISE

- Performance of traditional vise with added portability
- Integral 3" pipe jaws

Item No.	Vise Size	Jaw Opening	Throat Depth	Weight
VG **226303ZR**	3"	2"	3"	3.75 lbs.

Ken-Tool WHEREVER TIRES ARE CHANGED™

PROFESSIONAL VISES

Features

- Base swivels 360°
- Machined base plate for smooth swiveling
- Gear-type locking system with doublelock-down bolts
- Heavy-duty jaw beam covers screw
- Built-in anvils
- Lifetime warranty on front and back castings.

"V" notched, replaceable/reversible jaws made of carbon steel and heat-treated for extra strength, diamond cut on one side, smooth on the other.

Built-in pipe jaws

Jaw faces have "V" notches for vertical gripping

SPC **64055**

SPC **64065**

With high quality construction for extra durability and full-strength per-formance at any jaw opening, these vises are made for the professional - strong, durable, and built to last. Made in China to Ken-Tool's designs and specifications.

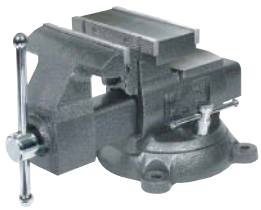
Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Weight
SPC **64055**	5 1/2" 14 cm	7 1/2" 19.1 cm	3 1/4" 8.3 cm	1/8" - 2 1/2" .3 - 6.4 cm	27 lbs. 12.3 kg.
SPC **64065***	6 1/2" 16.5 cm	9 1/2" 22.9 cm	3 7/8" 9.8 cm	1/8" - 3 1/2" .3 - 8.9 cm	38 lbs. 17.3 kg.

3 Lbs. Sledge hammer is included.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

PROFESSIONAL REVERSIBLE MECHANIC'S VISES

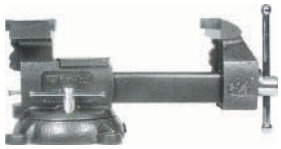


With our Reversible Vises you get all the high quality features and rugged durability of the Pro Workshop Vises, and more! Significantly increase your gripping capacity when you reverse the position of the front jaw. Made in China to Ken-Tool's designs and specifications.

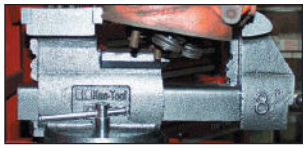
- Lifetime warranty on front and back castings.

Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Weight
SPC **64650***	6 1/2" 16.5 cm	9" - 12" 22.9-30.5 cm	4" 10.1 cm	1/8" - 4" .3 - 10.1 cm	52 lbs. 23.6 kg.

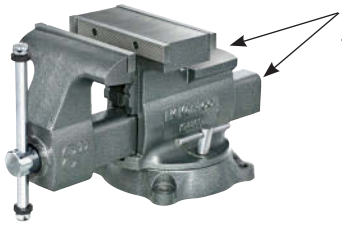
3 Lbs. Sledge hammer is included.



Standard Position



Reverse Position



Two built-in anvils provide more work surface area than any other vise

Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Weight
SPC **64800***	8" 20 cm	11" - 14" 28 - 35.6 cm	4 7/8" 12 cm	1/8" - 4 1/4" .3 - 10.8 cm	74 lbs. 34 kg.

Simple to use. Remove the jaw from the front of the base, swivel the base 180°, then re-insert the jaw.

3 Lbs. Sledge hammer is included.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

JET

https://www.jettools.com/us/en/home/

HYDRAULIC SHOP PRESSES

JET's Hydraulic Shop Press line consists of a 5, 15 and 35 ton hydraulically powered H frame press. Each machine is built using heavy steel plate that is electro welded together, and comes standard with industrial grade hydraulics. These machines are for the serious fabrication and machine shop owner who demands only the best quality from his operation.

Item No.	*JET* 331406	*JET* 331416	*JET* 331431
Capacity (tons):	5	15	35
Ram Diameter (in.):	1 3/4	2 1/2	3
Piston Stroke (in.):	4	4 3/4	4 1/2
Screw Stroke (in.):	3	3 1/8	4
Work Table Size (in.):	19 x 5 1/2	24 3/4 x 7 1/2	31 x 10 3/8
Lateral Movement (in.):	N/A	10 3/16	3 3/8"
Vertical Table Travel (in.):	19 3/4	25	22 3/8
Overall Dimensions (in./ L x W x H)	24 x 26 x 52	34 x 30 x 66	43 x 34 x 69
Net Weight (lbs.)	192	435	783

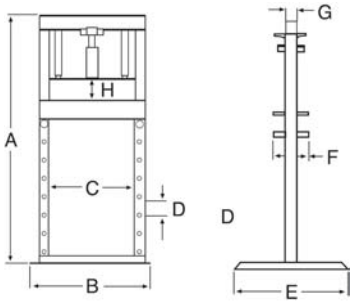
⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

CARLYLE TOOLS by NAPA

20-TON HYDRAULIC PRESS

Features

- Heavy-duty return springs for fast ram retraction
- Hydraulic power unit included
- Reinforced head plate
- Bed plates and bearing punch included as standard equipment



Specifications

Item No.	Capacity	A	B	C	D	E	F	G	H. min.	H. max.	Stroke	Weight
NLE **520-5001**	20 Ton	64 1/2"	30"	24 1/2"	4 1/2"	26"	11"	7"	1 1/2"	33	6"	265 lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Shop Presses

AmerEquip HD

Air/Hydraulic
BK **396-5221**

Manual/Hydraulic
BK **396-5220**

50 TON HYDRAULIC SHOP PRESSES

- All-welded frame construction with sliding head for multiple work positions
- Optional holes for stationary mounting
- Pre-drilled for installation of optional protector shield and ability to mount hydraulic pump to either side of frame
- 10,000 PSI pump easily produces maximum load rating
- Pump includes overload valve so press cannot be used beyond its rated capacity
- Glycerine filled hydraulic gauge protects against shock load and measures US and metric tons of force applied to component(s) pressed
- 1⅞" diameter ram accepts optional press kit components and includes dual spring retraction when load is released
- Winch with non-slip safety clutch and solid steel cable rollers for easy raising and lowering of press bed
- Pair of zinc plated bed plates, 4 zinc plated bed support pins and 1⅞" diameter low profile punch included

Specifications

Capacity	50 Tons
Ram Travel	6"
Throat Height Min.	5.25"
Throat Height Max.	30.5"
Throat Width	34"
Bed Height Adjustments	7 @ 5" apart
Distance Between Bed Rails	8.25"
Base Width	35"
Base Depth	29.75"
Overall Height	74"
Press Net Weight	621 lbs.

BK **396-5220** Manual/Hydraulic Shop Press, Weight 621 lbs.
BK **396-5221** Air/Hydraulic Shop Press, Weight 620 lbs.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

AmerEquip HD

30 TON MANUAL HYDRAULIC SHOP PRESS

- Heavy gauge welded steel frame. Built in the USA
- 7,703 PSI Dual Stage Pump. Piston extends ram to work quickly
- Complies with ASME ASP-2010 Test Standards
- Heavy duty hydraulic pump with load-limiting device ensures safety
- Ram mounted in head bolster provides higher vertical throat range
- Glycerin filled force gauge with US and metric ton callout
- Self-locking winch and pulley system for easy raising and lowering the press bed
- Removable ram punch for quick connection of optional diameter punches
- Multiple windows in frame to pass shafts through in straightening applications
- Pair of zinc plated bed plates, 4 zinc plated bed support pins and 1⅞" diameter low profile punch included

Specifications

Capacity	30 Tons
Ram Diameter	2¼"
Ram Travel	6⅜"
Throat Height Min.	6.25"
Throat Height Max.	42.5"
Throat Width	28"
Bed Adjustments	9 ea. @ 4.5" apart
Distance Between Bed Rails	7.250"
Base Width	37.875"
Base Depth	29.875"
Overall Height	70.5"
Press Net Weight	455 lbs.

BK **396-5224**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT™

6 PC. SHOP PRESS ACCESSORY KIT

This kit includes common accessories used in a variety of press applications and is constructed from high quality material to ensure long lasting durable performance. Designed to be used with presses up to 50 ton. Contains: (3) Punches: ½, 1 & 2 in. (2) Steel Press Plates: 14 x 3 x 1 in. & (1) Bearing Shield

BK **776-1491**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INDEX

CARLYLE® MANUAL SHOP PRESSES

These Carlyle Tools Shop Presses include a double speed manual pump with a force gage recessed into the head plate. Laser cut frame features robot welds for incredible support and stability. Internal ram retraction spring for increased durability. Bed plates include "v" cutouts and blocks for additional support. Integrated wrench to raise and lower bed for all jobs. 8 Pc. assortment of punches and integrated side frame holder. Quick change punch holder at ram bottom for easy change and use.

- 3 in. Ram screw extension
- Added cutouts in bed for additional height positions

Item No.	Tons	Dimensions	Includes
CHT **SP20TNS**	20	20" W x 71" H x 28" L	(1) Shop Press, (2) Bed Plates, (8) Punches
CHT **SP30TNS**	30	20" W x 71" H x 28" L	(1) Shop Press, (2) Bed Plates, (8) Punches
CHT **SP50TS**	50	21" W x 75" H x 37" L	(1) Shop Press, (2) Bed Plates, (8) Punches, (1) Press Shield

CHT **SP20TNS**

CHT **SP30TNS**

CHT SP50TS

CARLYLE® MANUAL SHOP PRESS SHIELD

Built with superior quality and designed with input from industry technicians, Carlyle Tools are affordable, high performance and dependable, even in the harshest of work environments.

- Fits both *CHT* **SP20TNS** and *CHT* **SP30TNS** model shop presses
- Increases safety and security while using presses

CHT **SP2030S**

SHOP PRESS BEARING SPLITTER SET

- Splitter halves made of forged steel with sharp angled edges to get in between tightly assembled parts
- Splitter halves include threaded holes for the acceptance of pushing/pulling attachments
- Zinc plating and black oxide coating inhibit rust
- Roto-molded plastic carrying case

Contents

Spread From - To	Tapped Hole Size in Splitter Halves	Distance Between Adjustment Screws
1/4" - 15/16"	5/16"-18	1 11/16"
1/8" - 2"	3/8"-16	2 7/16"
1 3/4" - 5 7/8"	5/8"-18	6"
1/2" - 4 5/8"	5/8"-18	4 3/8"
1/2" - 9"	5/8"-18	6"

BK **396-5038**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

12 AND 20 TON MANUAL SHOP PRESSES

Used for part straightening, bending, forming, punching, staking and pressing. Multi-position bed for work height adjustment. Pressure gauge shows working pressure. ASME-PASE Certification. Material is steel.

Item No.	*BK* **776-1489**	*BK* **776-1490**
Capacity:	12 Tons	20 Tons
Press Weight:	168 lbs.	252 lbs.
Stroke Length:	180mm	185 mm
Working Range:	0-910mm	61-1,021mm
Frame Height:	53".	59.9"
Frame Width:	21.5"	25.25"
Base Leg Length:	27.5"	27.75"
Bed Width:	454mm	548mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

10 TON BENCH MOUNT SHOP PRESS

Used for part straightening, bending, forming, punching, staking and pressing. Movable bed bolster adjusts to 3 different work heights. Pressure gauge shows working pressure. ASME-PASE Certification. Material is steel.

Capacity: ..... 10 Ton
Press Weight: ..... 116 lbs.
Stroke Length: 180mm
Working Range: 0-340mm
Bed Width: 335mm

BK **776-1488**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Shop Presses & Garage Exhaust Removal

AmerEquip HD

SHOP PRESS PROTECTOR SHIELD

- Presses are pre-drilled to accept installation of protector shield
- All necessary mounting hardware provided
- Shield is counter balanced for easy raising and lowering by hand
- Extruded aluminum protector shield frame and counter balance frame
- Steel grooved pulley and wire rope
- Counter balance weight
- Shatter-resistant polyurethane protector shield
- Handle for raising and lowering shield

BK **396-5024** Fits 50 Ton Shop Presses

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AmerEquip HD MADE IN THE USA

5 PC. PRESS PUNCH KIT

- Punches are made of precision machined, cold finished 1018 steel
- Yellow zinc plated for durability
- Fits 20 to 50 Ton Presses

Contents: (5) Punches 1/2", 3/4", 1", 1 1/2" and 2"

BK **396-5223**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AmerEquip HD MADE IN THE USA

8 PC. PRESS ACCESSORY KIT

- Punches are made of precision machined, cold finished 1018 steel
- Yellow zinc-plated for durability
- Fits 20 to 50 Ton Presses

Contents: (5) Punches: 1/2", 3/4", 1", 1 1/2" & 2", (2) Press Plates: 14" x 3" x 1", (1) Bearing Shield

BK **396-5222**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BAILEIGH INDUSTRIAL

JET **1004808**

JET **1004759**

AIR / PNEUMATIC SHOP PRESSES

Item No.	Capacity	Working Width	Stroke
JET **1004779**	—	—	—
JET **1004808**	20 ton	19.25"	7.5"
JET **1004816**	30 ton	21.653"	5.9"
JET **1004828**	50 ton	28.5"	7.8"
JET **1004859**			
JET **1004759**	100 ton	31"	11.8"

https://www.baileigh.com/

CRUSHPROOF TUBING COMPANY

3 IN. SERVICE STATION EXHAUST STARTER HOSE KIT

Constructed of 100% rubber—no wire reinforcement that can be damaged.

BK **815-5125**

Contents

Qty.	Description
2	Adapter, Universal Bell (RA300)
2	Hose, 4" x 3"
1	Hose, 6" x 3"
1	Splice Connector, 3" (SP30)
1	Y-Connector, 3" (RY30)

EXHAUST FUME VENTILATION SERVICE STATION KIT

Everything you need to get started with a basic vehicle exhausting system, with parts tailored to handle the small cars/trucks common to a service station bay.

- Perfect for out-the-door applications
- 100% EPDM construction cannot be crushed

Item No.	Description
BK **DSS25**	2.5 in. ID
BK **DSS40**	4.0 in. ID

EXHAUST FUME VENTILATION OVERHEAD DROP OR REEL HOSE WITH ADAPTER

MODOR (Multi-purpose Overhead Drop or Reel) series hoses combine the best of both worlds for overhead drop systems or reel applications. The first 20 ft. is a lightweight, reinforced hose and the last 5 ft. is our 100% rubber hose with an included adapter. This design lets the rubber section take the brunt of the heat and prevents damage in the most commonly run-over section of an overhead or reel hose.

- Will handle temperature bursts up to 600° F when used with a fan assisted system

Item No.	Description	Works with
BK **MODOR-4**	4" ID x 25'	*BK* **F700** Adapter
BK **MODOR-5**	5" ID x 25'	*BK* **DSR600** Diesel stack adapter
BK **MODOR-6**	6" ID x 25'	*BK* **DSR8600** Diesel stack adapter

CRUSHPROOF TUBING COMPANY

EXHAUST FUME VENTILATION Y ASSEMBLY WITH STRAIGHT TAILPIPE ADAPTERS

A great solution for basic dual exhaust service. Just connect to another hose to make a complete system.
Contents: two 4 ft. long hoses, Y adapter and two tailpipe adapters

Item No.	Size	Works with
BK **YA250**	2.5 in. ID	*BK* **FLT250**
BK **YA300**	3.0 in. ID	*BK* **FLT300**
BK **YA400**	4.0 in. ID	*BK* **FLT400**

EXHAUST FUME VENTILATION Y ASSEMBLY WITH OVAL TAILPIPE ADAPTERS

Extra-wide 3" x 11" adapters help you service oddly shaped and oversized tailpipes. Fits our 3" hose.
- 3 in. ID Y in kit with oval tailpipe adapters
- Contains two 3 in. ID x 4 ft. long hoses, Y adapter and two *BK* **F675** tailpipe adapters
- Connects to the *BK* **FLT300**

BK **YA3675**

EXHAUST FUME VENTILATION Y ASSEMBLY WITH OVAL TAILPIPE ADAPTERS

This Y kit fits our 3" hose and allows you to service both standard and flush-mounted pipes. The suction cup tailpipe adapter features an industrial suction cup to keep the tailpipe adapter in pace when tailpipes are flush-mounted with the bumper.

- 3 in. ID Y in kit with oval and suction cup tailpipe adapters
- Contains two 3 in. ID x 4 ft. long hoses, Y adapter and two F675-SC tailpipe adapters for flush mount tailpipes
- Connects to the *BK* **FLT300**

BK **YA675SC**

EXHAUST FUME VENTILATION Y ASSEMBLY WITH OVAL TAILPIPE ADAPTERS

Dual/twin pipe kit for use with 3" hose. Each leg fits pipes up to 2.5" x 7.5".
- 3 in. ID in Y kit with oval tailpipe adapters
- Contains two 3 in. ID x 4 ft. long hoses, Y adapter and two F575 tailpipe adapters
- Connects to the *BK* **FLT300**
- EPDM Rubber

BK **YA575**

GARAGE EXHAUST HOSES

Flexible rubber hoses have one flared end for connecting two or more lengths of the same size hose. Withstands tailpipe exhaust up to 600° F (315.6° C) when used with an appropriate fan. Super-flex, accordion-type hoses are for overhead systems where tight bend radius is required.

BK **827-5050**

Item No.	Description
BK **827-5050**	Motorcycle Flare-Lok (2" I.D. x 11')
BK **827-5051**	Compact Car Flare-Lok (2½" I.D. x 11')
BK **827-5052**	Passenger Car Flare-Lok (3" I.D. x 11')
BK **827-5053**	Light Truck Flare-Lok (3½" I.D. x 11')
BK **827-5054**	Gasoline Truck Flare-Lok (4" I.D. x 11')

EXHAUST FUME VENTILATION GARAGE EXHAUST HOSE

Designed for use with larger gas vehicles and diesel trucks. These hoses are crushproof and presented without the wire reinforcement.

- Heavy duty EPDM construction
- Handles temperature bursts up to 600° F when used with a fan-assisted system
- No wire reinforcement prevents damage from being ran over by a vehicle

Item No.	Size
BK **40-20**	4" ID x 20'
BK **ACT400**	4" ID x 11'
BK **ACT500**	5" ID x 11'
BK **ACT600**	6" ID x 11'

EXHAUST FUME VENTILATION GARAGE EXHAUST HOSE

Designed for use with larger gas vehicles and diesel trucks. These hoses are crushproof and presented without the wire reinforcement.

- Heavy-duty EPDM construction
- Handles temperature bursts up to 600° F when used with a fan assisted system
- No wire reinforcement prevents damage from being ran over by a vehicle
- 5" ID x 20'

BK **50-20**

SUPERFLEX HOSE

Accordion-like design allows for extra flexibility and stretch. Prevents kinking at 180° bend. Functional lengths.

Item No.	Description
BK **827-5055**	4" I.D. x 12 ft. - Gasoline Trucks
BK **827-5056**	5" I.D. x 8 ft. - Diesel Trucks

CRUSHPROOF TUBING COMPANY

GARAGE EXHAUST TELESCOPING SYSTEM

The garage exhaust telescoping system is an out-of-the-box solution for your basic overhead system needs. It works on all gas vehicles because you can change out the stock RA300 adapter (included) for any other 3 inch threading adapters or for a Y assembly in dual exhaust applications. It installs in minutes to a 5 inch duct. Use a quality reducer adapter if you have a different size.

- Tough, versatile and lightweight
- Ships complete and ready to use
- When not in use, hoses store inside one another

BK **801-6870**

EXHAUST FUME VENTILATION GARAGE EXHAUST HOSE WITH WIRE

Designed for use with larger gas vehicles and diesel trucks. Wire reinforced hose is great for overhead applications.

- Heavy duty EPDM construction
- Handles temperature bursts up to 600° F when used with a fan-assisted system
- 11 ft. of wire to prevent kinking when used for diesel stacks
- 5: ID x 11'

BK **ACT500W/11**

EXHAUST FUME VENTILATION GARAGE EXHAUST HOSE WITH WIRE

Designed for use with larger gas vehicles and diesel trucks. Wire reinforced hose is great for overhead systems.

- Heavy-duty EPDM construction
- Handles temperature bursts up to 600° F when used with a fan assisted system
- 30 in. of wire prevents kinking when used for diesel stacks
- 4" x 11'

BK **ACT400W/30**

EXHAUST FUME VENTILATION GARAGE EXHAUST HOSE WITH WIRE

Designed for use with larger gas vehicles and diesel trucks. Wire reinforced hose is great for overhead systems.

- Heavy-duty EPDM construction
- Handles temperature bursts up to 600° F when used with a fan assisted system
- 11 ft. of wire to prevent kinking when used for diesel stacks
- 4" ID x 11'

BK **ACT400W/11**

EXHAUST FUME VENTILATION GARAGE EXHAUST HOSE WITH WIRE

Designed for use with larger gas vehicles and diesel trucks. Wire reinforced hose is great for overhead systems.

- Heavy-duty EPDM construction
- Handles temperature bursts up to 600° F when used with a fan assisted system
- 30 in. of wire to prevent kinking when used for diesel stacks
- 5" ID x 11'

BK **ACT500W/30**

EXHAUST FUME VENTILATION DYNAMOMETER GARAGE EXHAUST HOSE

Designed for use with larger gas vehicles and diesel trucks. These hoses are crushproof and presented without the wire reinforcement.

- Heavy duty EPDM construction
- Handles temperature bursts up to 700° F when used with a fan assisted system
- No wire reinforcement prevents damage from being ran over by a vehicle
- 4" ID x 11'

BK **ACT400DYNO**

EXHAUST FUME VENTILATION Y ASSEMBLY FOR DIESEL PICKUP TRUCKS

The perfect kit for diesel pickup service. Needs a 4" hose to complete the setup.

- 4 in. ID "Y" kit for twin pipe diesel pickup trucks
- High temperature gray EPDM construction
- 100% EPDM construction cannot be crushed

BK **YA4475D**

GARAGE EXHAUST ADAPTER

The Crushproof wire hose adapter (WHA) series has two feet of crushproof hose with a slightly tapered cuff that will clamp onto your existing hose. This will allow you to implement the entire Crushproof line of garage exhaust hose accessories.

- Made in USA
- Enables you to use Crushproof "Y" kits
- Clamp onto your existing wire reinforced hose

BK **827-6198**

CRUSHPROOF TUBING COMPANY

GARAGE EXHAUST ADAPTER
The Crushproof wire hose adapter (WHA) series has two feet of crush-proof hose with a slightly tapered cuff that will clamp onto your existing hose. This will allow you to implement the entire Crushproof line of garage exhaust hose accessories.
- Made in USA
- Enables you to use Crushproof "Y" kits
- Clamp onto your existing wire reinforced hose

BK **823-3701** 5 in. End 1, 6 in. End 2
BK **823-3702** 6 in. End 1, 7 in. End 2

EXHAUST FUME VENTILATION WIRE HOSE ADAPTER
Crushproof wire hose adapter has two feet of crushproof hose with a slightly tapered cuff that will clamp onto your existing hose. This will allow you to implement the entire line of garage exhaust hose adapters and accessories.
- Transitions 3 in. ID wire hose to 3 in. ID Crushproof rubber hose
- The wire hose adapter series will enable you to connect to your current overhead system
- Withstands exhaust temperatures up to 600° F when used with a proper fan-assisted system

BK **WHA-3**

EXHAUST FUME VENTILATION TAILPIPE ADAPTER
Designed for larger gas tailpipes or occasional diesel stack usage and fits our 4" hose. Always select an adapter with at least ½ inch diameter clearance around the tailpipe.
- 8 in. ID tailpipe adapter
- Connects for FLT400
- 100% EPDM construction

BK **F800**

EXHAUST FUME VENTILATION STRAIGHT ADAPTER FOR DYNO HOSE
Straight adapter works with standard round pipes up to 3" diameter and fits 3 and 4 inch hose. Always select an adapter with at least ½ inch diameter clearance around the tailpipe.
- 3.5 in. ID tailpipe adapter
- High temp gray EPDM
- Induced port for dynamometer applications

BK **F350DYNO**

EXHAUST FUME VENTILATION OVAL TAILPIPE ADAPTER FOR DYNO HOSE
Oval adapter works with odd shaped and twin pipes up to 2.5" x 5.5" in size. Fits 3 and 4 inch hose. Always select an adapter with at least ½ inch diameter clearance around the tailpipe.
- 3 in. x 6 in. oval ID tailpipe adapter
- High temp gray EPDM
- Included port for dynamometer applications

BK **F475DYNO**

BK **DSR8600**

EXHAUST FUME VENTILATION DIESEL STACK ADAPTER
The perfect choice for large, vertical diesel stacks. Connects to 5" and 6" hose. Always select an adapter with at least ½ inch diameter clearance around the tailpipe.
- Connects to *BK* **ACT600** & *BK* **ACT500**
- Threaded rod to promote proper exhaust flow

BK **DSR8600** 8" ID
BK **DSR9600** 9" ID

EXHAUST FUME VENTILATION STRAIGHT TAILPIPE ADAPTER
Straight adapter for round pipes that fits 3.5" and 4" hose. Always select an adapter with at least ½ inch diameter clearance around the tailpipe.
- 4.5 in. ID tailpipe adapter
- Connects to the *BK* **FLT350** or *BK* **FLT400**
- 100% EPDM construction

BK **F450**

GARAGE EXHAUST ADAPTER
Crushproof 7 inch round universal tailpipe adapter is a must-have item for every garage.
- Made in USA
- Fits 3 and 4 inch hoses
- Snaps allow you to reduce the size for smaller tailpipes

BK **827-6199**

GARAGE EXHAUST ADAPTER
Crushproof oval tailpipe adapter features an industrial suction cup to keep the tailpipe adapter in place when tailpipes are flush-mounted with the bumper.
- Made in USA
- Fits 3 and 4 inch hoses
- Must be used with a fan-assisted system

BK **827-6196**

CRUSHPROOF TUBING COMPANY

GARAGE EXHAUST ADAPTER

Crushproof oval tailpipe adapter is made to accommodate vehicles with twin tailpipes up to 3 inch in diameter each.

- Made in USA
- Fits 3 and 4 inch hoses
- Fits many newer makes and models
- 3 x 11 inch openings for wide tailpipes

BK **827-6197**

EXHAUST FUME VENTILATION OVAL TAILPIPE ADAPTER

Made to accommodate hoses between 3 – 4 inches in diameter, oval tailpipe adapters are made to accommodate vehicles with twin tailpipes up to 3 inches in diameter each. This is the widest oval adapter we offer and it fits both 3" and 4" hose. For use on pipes up to 2.5" x 15".

- 3 in. x 15.5 in ID oval tailpipe adapter
- Connects to the *BK* **FLT300** or *BK* **FLT400**
- 100% EPDM construction

BK **F1550**

EXHAUST FUME VENTILATION DIESEL STACK ADAPTER

Our largest stack adapter fits 6" hose. Silicone protects chrome from damage. Always select an adapter with at least ½ inch diameter clearance around the tailpipe.

- 12 in. ID diesel stack adapter
- Connects to *BK* **ACT600**
- High temperature orange silicone

BK **DSR1200-6**

VELCRO® BRAND EASY HANG™ HEAVY DUTY STRAPS

VELCRO® Brand EASY HANG™ heavy-duty strap is great for maximizing space and organizing everything from bikes, golf clubs and sporting equipment to pool hoses, ladders, extension cords and more; also great for hanging tools and equipment in the back of your truck, RV or boat. Heavy-duty storage straps are designed to wrap securely around larger items or bundle cords and hoses in order to hang for storage and maximum organization.

- Keeps your gear off the ground
- Strong, reusable, simple and convenient

Item No.	Holds up to	Dimensions
BK **VEL-30120-USA**	100 lbs.	10.25" L x 3.5" W
BK **VEL-30121-USA**	200 lbs.	12.75" L x 3.5" W
BK **VEL-30134-USA**	300 lbs.	15" L x 3.5" W

BK **720-1325**
BK **720-1326**

BK **720-1327**

BK **720-1331**

BK **720-1328**

BK **720-1342**

BK **720-1333**

BK **720-1323**

BK **720-1329**
BK **720-1330**

EXHAUST HOSE ADAPTERS

Tailpipe adapters are a key part of an effective exhaust removal system. They help to capture the exhaust effectively over a wide variety of tailpipe sizes and shapes while also allowing for cool air to flow in behind the hot exhaust. For this reason, it is recommended that the inside diameter of the adapter be at least ½" larger than the outside diameter of the tailpipe.

Item No.	Max. Tailpipe O.D.	Fits Hose Size
BK **720-1325**	2"	2", 2½", 3"
BK **720-1326**	2½"	2½", 3", 3½"
BK **720-1327**	3"	3½", 4"
BK **720-1331**	3½"	3½", 4"
BK **720-1328**	2½" x 5½" oval/twin	3", 4"
BK **720-1342**	3" x 8" oval/twin	3", 4"
BK **720-1329**	4½" universal	2½", 3½"
BK **720-1330**	4½" universal	2", 3"
BK **720-1333***	5½"	4"

Heavy-Duty Diesel Truck Adapters

Y CONNECTOR

Rubber connector for dual tailpipes.

BK **720-1338** 2-1/2" Tubing
BK **720-1338** 3" Tubing

EXHAUST FUME VENTILATION RUBBER SPLICE CONNECTOR

Hose splice connectors are used for splicing two smaller hoses together to create a longer overall hose length.

- Rubber splice connector
- Crushproof
- Joins two hoses together
- Fits over the hose

Item No.	Description	Connects to
BK **SP25**	For 2.5" ID Hose	*BK* **FLT250**
BK **SP30**	For 3.0" ID Hose	*BK* **FLT300**
BK **SP40**	For 4.0" ID Hose	*BK* **FLT400**

CRUSHPROOF TUBING COMPANY

EXHAUST FUME VENTILATION RUBBER ELBOW

Rubber elbow for connecting exhaust hose to an underground ventilation system. Works with 2.5" and 3" exhaust hoses.

- Designed for in-ground systems

Item No.	Size	Connects to
BK **EB25**	2.5 in.	*BK* **FLT250**
BK **EB30**	3.0 in.	*BK* **FLT300**

BK **OC30**

EXHAUST FUME VENTILATION OVERHEAD DUCT CONNECTORS

Duct connectors are used to tie a piece of hose into a ducting system

Item No.	Description	Works with
BK **OC30**	3" I.D.	*BK* **FLT300**
BK **OC40**	4" I.D.	*BK* **FLT400**
BK **OC50**	5" I.D.	*BK* **FLT500**

BK **AEL50**

EXHAUST FUME VENTILATION ALUMINUM ELBOW

Hose elbows are used to connect two hoses together so that they may be raised with a rope/pulley or balancer system for convenient off-the-floor storage.

- Aluminum elbow with eyelet
- Eyelet allows it to be used with a pulley for over-head systems
- 90° Bend

Item No.	Description	Works with
BK **AEL50**	For 5" ID Hose	*BK* **ACT500**
BK **AEL60**	For 6" ID Hose	*BK* **ACT600**

GARAGE EXHAUST HOSE DOOR PORT

Garage door ports are used to create a pass-through in a garage door where an exhaust hose can exit. Using a garage door port prevents kinking in the hose and reduces the loss of tempered air in the shop.

- Sliding port closure
- Solid aluminum construction
- Made for doors up to 1 inch thick
- 5 in. inside dia. 5.275 in. outside dia.

BK **827-1640**

ALUMINUM INTERNAL CONNECTOR

For use with overhead systems. Screw inside to join larger tubing sizes.

Item No.	Description
BK **720-1339**	3" Tubing
BK **720-1340**	4" Tubing

BK **720-1334**

BK **720-1335**

DOOR PORT FITTING

Ideal for service stations. Easily installed. Fits 1" doors out-of-the-box. Thicker doors can use threaded rod and nuts (not included).

Item No.	Description
BK **720-1334**	For 2½" tubing, rubber
BK **720-1335**	For 3" tubing, aluminum

EXHAUST FUME VENTILATION ALUMINUM SPLICE – OVERHEAD DUCT CONNECTOR

Hose splice connectors are used for splicing two smaller hoses together to create a longer overall hose length.

- Aluminum splice connector
- Connects to *BK* **ACT600**
- Joins two hoses together

BK **AC60-OC**

INDEX

Hoists & Pullers

CHAIN HOISTS

Triple-geared chain block hoist. High quality, all-steel construction. Heat treated. Standard Lift: 10'

Item No.	Cap. Tons	Max. Load (tons)
BK **827-1115**	1/2	0.75
BK **827-1116**	1	1.50
BK **827-2507**	1 1/2	2.25
BK **827-2506**	2	3.00

BK **827-1115**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CHAIN PULLER

All mechanisms are completely enclosed. Upper and lower levels are steel-dropped forgings and swivel in both directions. The operating handle is less than 17" long and the minimum distance between hooks is only for working in close quarters. Cap.: 1 1/2 tons. Standard Lift: 5'. Maximum Load: 2.25 tons.

BK **819-5126**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EXTRA HEAVY-DUTY POWER-PULL CABLE W/ HANDLE

Two-ton capacity with double line. Equipped with 18' of special flexible 5/16" wire cable, tackle block and hook on end of cable.

BK **819-5125**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BK **819-5124**

BK **819-8054**

PROFESSIONAL POWER-PULL CABLE HOISTS

Preferred by artisans and Do-It-Yourselfers who want the very best. Solid gearing, heavy-duty frame and padded handle assembly for long, trouble-free use. Quality plating prevents rust.

Item No.	Capacity (Tons)	Standard Lift (ft.)	Leverage	Weight (lbs.)	Cable (in.)
BK **819-5122**	1	12	18:1	7	3/16
BK **819-5124**	2	5	36:1	7 1/2	3/16
BK **819-8054**	4	5	36:1	8	1/4

BK **770-9768**

BK **770-9025**

PROFESSIONAL POWER-PULL CABLE HOIST REPLACEMENT PARTS

Item No.	Description
BK **770-9768**	Cable Assembly w/Round Ball End for *BK* **819-5122**/ *BK* **819-5124**. 3/16" x 12'
BK **770-9025**	Cable & Hook Assembly for *BK* **819-5122**
BK **770-9026**	Cable & Hook Assembly for *BK* **819-5124**
BK **770-9027**	Cable & Hook Assembly for *BK* **819-8054**

⚠ **WARNING: (*BK* 770-9768) California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CONSUMER GRADE POWER-PULL CABLE HOISTS

These rugged, economical cable hoists are designed for the occasional user. Cable: 3/16".

Item No.	Capacity (Tons)	Standard Lift (ft.)	Leverage	Weight (lbs.)
BK **819-5127**	1	12	18:1	6 3/4
BK **819-5128**	2	6	36:1	8 1/4

RATCHET LOAD BINDER

This is a high capacity (6,000 lbs.) load binder used to secure large, heavy or bulky loads in transit. 1 3/4" wide x 15' long and rated at 10,000 lbs. capacity. Cadmium plated steel hardware.

BK **770-5109**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LIFTING SLING

The lifting sling is an accessory to a winch puller or chain block, and makes it easier to lift heavy and awkward loads. It is made from 1" wide industrial nylon webbing with a special red indicator cord (red threads woven in the center). When excessive wear of the yellow latex-treated webbing makes the red threads visible, it's time to retire the sling thus providing an important safety check. 7,600 lbs. capacity. 8'

BK **770-5108**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PULLEY BLOCK & HOOK

Used with cable hoists. Heat-treated hook. 1 1/2 Ton capacity with an overall length of 5 1/2".

BK **770-5101**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

https://www.jettools.com/us/en/home/

SHOP BENCH GRINDERS

For shops that may be short on space, a cast iron JET Bench Grinder delivers work power and pristine finishes. Built to withstand the high-volume demands of even the busiest shops, this high-quality machine grinds, sharpens and smooths with equal precision and flawless results.

Item No.	*JET* **577101**	*JET* **577102**	*JET* **577103**
Shaft Dia. (in.):	1/2	5/8	1
Wheel Dia. (dia. x W/in.):	6 x 3/4	8 x 1	10 x 1
Wheel Speed (RPM):	3,450	3,450	1,750
Wheel Grits:	36/60	36/60	24/46
Motor:	1/2 HP, 115V, 1Ph	1 HP, 115V, 1Ph	1 1/2 HP, 115V, 1Ph
Overall Dimensions (in./ L x W x H):	18 x 10.5 x 8.5"	19 x 12.5 x 10"	24.5 x 12.25 x 13"
Net Weight (lbs.):	38	60	119

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

15 IN. AND 20 IN. DRILL PRESSES

- Cast iron head
- Large quill allows greater accuracy
- Head casting features a permanently lubricated ball bearing spindle assembly, using four heavy-duty ball bearings mounted in an enclosed quill for extended life
- Massive T-slotted production work table (Model *JET* **354402** only)
- Table tilts 45°
- Large ground steel column diameter for maximum head and table support
- 3 1/8" stroke for deep hole applications (4 3/4" on model *JET* **354402**)
- Accurate depth stop for precise hole depths

Standard Equipment:

- 5/8" Drill chuck and arbor
- Spindle guard

Item No.	Description
JET **354401**	15"
JET **354400**	15"
JET **354402**	20"

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go towww.P65warnings.ca.gov.**

7 IN. X 12 IN. HORIZONTAL / VERTICAL BANDSAWS

JET **414559**

Horizontal/Vertical Metalworking Bandsaw has everything any operator needs to tackle even the toughest job. Increased the width and height of the stand and added new features that exceed expectations.

Item No.	Description
JET **414559**	JET HVBS-712 - 9 7/16" x 10" work table in vertical position
JET **414560**	JET HVBS-712D Deluxe - 10" x 12" infeed table assembly extends the support area and can be used in either horizontal or vertical positions

⚠ **WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

BENCH GRINDER & STAND

For shops that may be short on space, a cast iron JET Bench Grinder delivers work power and pristine finishes. Built to withstand the high-volume demands of even the busiest shops, this high-quality machine grinds, sharpens and smooths with equal precision and flawless results

Item No.	Description
JET **577102K**	JBG-8A
JET **577103K**	JBG-10A
JET **577172**	Pedestal Stand

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

BENCH GRINDER WITH WIRE WHEEL

JET **577126**

- Cast Iron wheel guards dust chutes
- Rubber mounts prevents movement
- Totally enclosed pre-lubricated ball bearings
- UL Listed
- Vitrified aluminum oxide grinding wheel included
- Crimped Wire wheel included

Item No.	Description
JET **577126**	6" Bench Grinder with Wire Wheel
JET **577128**	8" Bench Grinder with Wire Wheel

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

8 IN. INDUSTRIAL GRINDER AND BELT SANDERS

JET **577436**

- Heavy-duty capacitor motor
- CSA/US: Following strict guidelines and electrical requirements, this JET Combination 8" Grinder and Belt Sander is CSA/US certified

Item No.	Description
JET **577248**	IBGB-248VS 8" Variable Speed Industrial Grinder and 2" x 48" Belt Sander
JET **577436**	IBGB-436VS 8" Variable Speed Industrial Grinder and 4" x 36" Belt Sander
JET **578248**	IBGB-248 8" Industrial Grinder and 2" x 48" Belt Sander
JET **578436**	IBGB-436 8" Industrial Grinder and 4" x 36" Belt Sander

⚠ **WARNING: This product can expose you to chemicals including cadmium, phthalates & lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

https://www.baileigh.com/

JET **1004189**

JET **1230347**

ENGLISH WHEELS

Item No.	Throat	Gauge	Wheels	Anvils
JET **1004189**	37¾"	16	3 Upper	9 Bottom
JET **1230347**	21"	16	8" x 2" Upper	4 Bottom

JET **1000935**

BEAD ROLLER MACHINES

Item No.	Anvils
JET **1000935**	Bead Roller BR-18M-24
JET **1000923**	Power Bead Roller BR-18E-24
JET **1000924**	Power Bead Roller BR-18E-36

JET **1005948**

POWER HAMMERS

Item No.	Description	Throat	Gauge
JET **1005948**	Planishing Hammer PH-24A	24"	16
JET **1021465**	Pneumatic Power Hammer	28"	16

JET **1010422**

THROATLESS SHEAR

Item No.	Description
JET **1010422**	MPS-2 Throatless Sheer

JET **1006768**

TUBE / PIPE BENDERS

Item No.	Description
JET **1006768**	Manual Tube bender RDB-050
JET **1006773**	Tubing Bender - RDB-100
JET **1006776**	Rotary Draw Bender - RDB-125
JET **1006778**	Tube Bender - RDB-150
JET **1006785**	Tube Bender - RDB-175
JET **1006819**	Hydraulic Pipe Bender RDB-500
JET **1022581**	Exhaust Tube End Former TE-300
JET **1004134**	Exhaust Bender EB-300

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PUC SERIES SERVICE CARTS

- Quiet, non-marking 5 inch casters for increased maneuverability
- Industrial-duty, resin design that resists dents, chips, scratches and corrosion
- Rounded edges reduce damage to property and personnel
- Handle includes built-in storage bins for versatility

Item No.	*JET* **141016**	*JET* **141017**	*JET* **140018**	*JET* **140019**
Capacity (lbs.):	500	500	500	500
Shelf Size (L x W) (in.):	43 x 25	44 x 25	31 1/8 x 17 1/8	37 3/8 x 25 5/8
Lower Shelf Height (in.):	5 1/2	6	6	6
Tray size (W x L x D) (in.):	43 x 23 x 2	44 x 23 x 2	31 1/8 x 17 1/8	37 3/8 x 25 5/8
Upper Shelf Height (in.):	28 3/4	28 3/4	33 1/2	33 1/2
Height Between Shelves (in.):	20	20	19 1/2	19 1/2
Caster Size (in.):	5 x 1	5 x 1	5 x 1	5 x 1
Wheel Type:	Rubber	Rubber	Rubber	Rubber
Wheel Size (in.):	5	5	5	5
Overall Height (in.):	28 3/4	29 3/4	33 1/2	33 1/2

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

J SERIES PALLET TRUCKS

JET® J Series Pallet Truck has a low profile. High quality welded steel construction allows for capacities up to 6,600 pounds. The 180 degree turning radius increases maneuverability and the easy-to-use fingertip controls permit single handed operation.

Item No.	Description
JET **141170**	PTW-2036A, 20.5" x 36" 6600LB Pallet Truck
JET **141171**	PTW-2042A, 20.5" x 42" 6600LB Pallet Truck
JET **141172**	PTW-2048A, 20.5" x 48" 6600LB Pallet Truck
JET **141174**	PTW-2742A, 27" x 42" 6600LB Pallet Truck
JET **141175**	PTW-2748A, 27" x 48" 6600LB Pallet Truck
JET **161003**	PT-1636JA, 16" x 36" 5500LB Pallet Truck
JET **161004**	PT-2036JA, 20.5" x 36" 5500LB Pallet Truck
JET **161005**	PT-2042JA, 20.5" x 42" 5500LB Pallet Truck
JET **161006**	PT-2048JA, 20.5" x 48" 5500LB Pallet Truck
JET **161008**	PT-2742JA, 27" x 42" 5500LB Pallet Truck
JET **161009**	PT-2748JA, 27" x 48" 5500LB Pallet Truck

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

SCISSOR LIFT TABLES

Item No.	Description	Capacity	Max. Height	Table Dimensions (L x W)
JET **140771**	Scissor Lift Table with Folding Handle	330 lbs.	28 3/4"	27 3/4" x 17 3/4"
JET **140777**	Scissor Lift Table with Folding Handle	660 lbs.	32 3/8"	32 1/2" x 19 5/8"
JET **140778**	Double Scissor Lift Table	770 lbs.	51 1/8"	35 5/8" x 20 1/8"
JET **140779**	Scissor Lift Table	1,650 lbs.	35 5/8"	39 3/8" x 20 1/8"
JET **140780**	Jumbo Scissor Lift Table	1,100 lbs.	36"	63" x 31 1/2"

⚠ **WARNING: This product can expose you to chemicals including cadmium, phthalates & lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

JET **140778**

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Shop Lighting

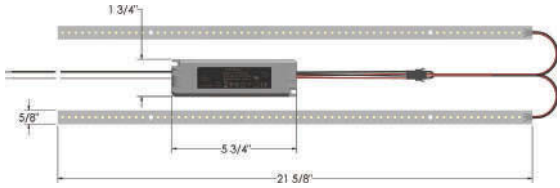
4 FT. LED SHOP LIGHT

NAPA LED shop light is perfect for any application where high quality LED lighting is required. Seamlessly connect up to 8 LED shop lights together for energy savings in your home, office or workspace.

- Suspend from the ceiling for instant bright light
- Follow the installation guide for a quick and easy setup
- Easily daisy chain the LED shop light to create an extendable design
- 120V
- Switch included
- 0.45 A

BK **315-1416**

OPTILUMEN



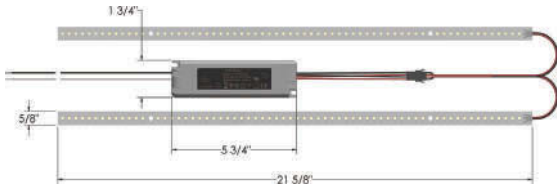
RKS UNIVERSAL 2 FT. X 2 FT. FLUORESCENT CONVERSION MAGNETIC FIXTURE RETROFIT KIT

Easily converts most all your existing residential and commercial 2 ft., T8 and T12 linear and U-Bent, fluorescent light fixtures into an integrated LED light fixture. It can easily be custom sized to fit applications from 2 ft. to 4 ft. This retrofit kit works with the earliest to the latest versions of ceiling mount, 2 ft. fluorescent light fixtures, regardless of the style, manufacturer or existing ballast type including linear high bay, strip or wrap fixtures and even chain suspended shop lights. Since the retrofit kit contains the LED driver, there is no guess work to determine if it is compatible with your existing fixtures' magnetic or electronic ballast. Super simple installation in 3 easy steps: 1.) Remove existing bulbs and ballasts, 2.) Attach magnetically backed driver and connect to AC power source, 3.) Attach magnetically backed LED strips and quick connect to Y-harness. If your fixture isn't steel, no worries, the kit is pre-drilled and comes with mounting screws. The fixture is DLC listed to qualify for commercial lighting rebates and special incentives in certain regional areas.

- Never replace another tube again
- Easy install with no tools required
- Outlasts tubes many times over
- UL listed, suitable for damp locations, rated for 200,000 hours, DLC qualified and 7-year full warranty
- One retrofit kit converts a 2 ft. x 2 ft. fixture with up to 4 lamps or two retrofit kits converts one 2 ft. fixture with 6 lamps
- For non-steel fixtures and high vibration applications, the kit is pre-drilled and comes with mounting screws too
- Perfect for cold start applications down to -49°F and as high as 158°F
- Turns on instantly with no annoying flicker or hum
- Thermally conductive rare earth magnetic tape maintains its extraordinary strength across wide temperature variations
- It also acts as a heat sink which increases the life of the LEDs and driver
- Accepts 90 to 277-volt and 50 to 60 Hertz input
- LED strips and driver are back with rate earth magnetic tape, attaches to the existing steel light fixture in seconds
- Power factor of up to .989

Item No.	Lumens	Qty.
BK **RKS2220-40-A**	4000k	1-Pack
BK **RKS2220-40-B**	4000k	4-Pack
BK **RKS2220-50-A**	5000k	1-Pack
BK **RKS2220-50-B**	5000k	4-Pack

OPTILUMEN



RKS UNIVERSAL 4 FT. X 4 FT. FLUORESCENT CONVERSION MAGNETIC FIXTURE RETROFIT KIT

Easily converts most all your existing residential and commercial 4 ft., T8 and T12 linear and U-Bent, fluorescent light fixtures into an integrated LED light fixture. It can easily be custom sized to fit applications from 4 ft. to 8 ft. This retrofit kit works with the earliest to the latest versions of ceiling mount, 2 ft. fluorescent light fixtures, regardless of the style, manufacturer or existing ballast type including linear high bay, strip or wrap fixtures and even chain suspended shop lights. Since the retrofit kit contains the LED driver, there is no guess work to determine if it is compatible with your existing fixtures' magnetic or electronic ballast. Super simple installation in 3 easy steps: 1.) Remove existing bulbs and ballasts, 2.). Attach magnetically backed driver and connect to AC power source, 3.) Attach magnetically backed LED strips and quick connect to Y-harness. If your fixture isn't steel, no worries, the kit is pre-drilled and comes with mounting screws. The fixture is DLC listed to qualify for commercial lighting rebates and special incentives in certain regional areas.

- Never replace another tube again
- Easy install with no tools required
- Outlasts tubes many times over
- UL listed, suitable for damp locations, rated for 200,000 hours, DLC qualified and 7-year full warranty
- One retrofit kit converts a 4 ft. x 4 ft. fixture with up to 4 lamps or two retrofit kits converts one 4 ft. fixture with 2 lamps
- For non-steel fixtures and high vibration applications, the kit is pre-drilled and comes with mounting screws too
- Perfect for cold start applications down to -49°F and as high as 158°F
- Turns on instantly with no annoying flicker or hum
- Thermally conductive rare earth magnetic tape maintains its extraordinary strength across wide temperature variations
- It also acts as a heat sink which increases the life of the LEDs and driver
- Accepts 90 to 277-volt and 50 to 60 Hertz input
- LED strips and driver are back with rate earth magnetic tape, attaches to the existing steel light fixture in seconds
- Power factor of up to .989

Item No.	Lumens	Qty.
BK **RKS2440-40-A**	4000k	1-Pack
BK **RKS2440-40-B**	4000k	4-Pack
BK **RKS2440-50-A**	5000k	1-Pack
BK **RKS2440-50-B**	5000k	4-Pack

SPEEDBOX KEY PICKUP LOCK BOX

The first 24/7-365 day key/fob pickup box, after hours, anytime. This exclusive patented design offers repair and body shops (any vehicle service) a safe and secure option for customer vehicle pickup. Market tested nationwide performance and customer satisfaction.

- Comes fully assembled
- Pre-drilled mount holes for bolt-on mounting
- 4 door compartment lockbox
- Theft resistant all-weather mechanical locks
- Easy 1 button combination reset, master override key
- 6" H x 8" L x 3" W
- 8 In. lock cable length
- Stainless steel

BK **SP0001**

SHELVING UNITS

Shelf units that will fit almost anywhere to keep you organized with easy access to your belongings. Simple assembly with a boltless design allows you to configure the shelving units vertically of horizontally while only using a rubber mallet (not included). Use in your home or garage with a shelf capacity of 150 lbs. per shelf and a riveted steel frame that is rust-resistant and long-lasting.

Item No.	No. of Shelves	Dimensions
BK **22539**	3	30" W x 12" D x 30" H
BK **22540**	4	30" W x 12" D x 48" H
BK **22541**	5	30" W x 12" D x 60" H
BK **17125**	4	30" W x 16" D x 60" H
BK **17126**	5	36" W x 16" D x 60" H
BK **17127**	5	36" W x 18" D x 72" H
BK **17313**	5	48" W x 18" D x 72" H
BK **19453**	5	48" W x 24" D x 72" H
BK **19454**	5	48" W x 24" D x 84" H

WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CargoLoc

CEILING MOUNT BICYCLE LIFT

- 45 lb. lift capacity
- Installation hardware included
- For use on ceiling up to 14 ft.
- Solid steel construction with coated hooks
- Safe rope locking mechanism to prevent accidental release
- Steel

BK **32515**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CargoLoc

100 LBS. CEILING MOUNT GARAGE HOIST

- 100 lbs. max. lift capacity
- For use on ceilings up to 14 feet
- Solid steel construction with coated hooks
- Includes two 8 ft straps and installation hardware
- Safe rope locking mechanism to prevent accidental release

BK **32522**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CargoLoc

WALL-MOUNT BICYCLE HOOK

- Saves garage space
- Stores bike on hook
- Installation hardware included
- Steel

BK **32518**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CargoLoc

FOLDING WALL MOUNT BICYCLE RACK

- Folds flat when not in use
- Installation hardware included
- Stores two bikes on hooks and accessories on a shelf
- Epoxy coated steel construction with vinyl coated hooks

BK **32519**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CargoLoc

2 BICYCLE FLOOR STAND

- Assembly hardware included
- Great for youth and adult bikes
- Quickly stores two bicycles with ease
- Tubular steel construction durable epoxy finish
- Bicycles can be stored in the same or alternate direction

BK **32517**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

FLOOR-MATE PLASTIC DISPOSABLE FLOOR MATS

Dell Corning floor mats will give you the results where you need them most, in customer service satisfaction. Protect your vehicle floors from service soils and other unwanted spills.

- Universal fit
- Keeps vehicle clean
- Durable plastic construction
- 17" x 21", 500 per roll

BK **20-004NAPA**

DELL CORNING NAPA AUTOCARE FLOOR MATS

- Medium weight
- Embossed paper
- Durable and dependable
- Coated on both sides fir texture and strength
- 19 in. L x 17 in. W
- 250 per box

BK **20000NAPAAC**

ECO-BARRIER RECYCLED PAPER DISPOSABLE FLOOR MATS

Dell Corning floor mats will give you the results where you need them most, in customer service satisfaction. Protect your vehicle floors from service soils and other unwanted spills.

- Universal fit
- Keeps vehicle clean
- Durable recycled paper construction
- 17" x 22", 500 per box

BK **20-008NAPA**

FLOOR-MATE COATED PAPER DISPOSABLE FLOOR MATS

Dell Corning floor mats will give you the results where you need them most, in customer service satisfaction. Protect your vehicle floors from service soils and other unwanted spills.

- Universal fit
- Keeps vehicle clean
- Durable coated paper construction
- 17" x 19", 500 per box

BK **21-003NAPA**

FLOOR-MATE EMBOSSED PAPER DISPOSABLE FLOOR MATS

Dell Corning floor mats will give you the results where you need them most, in customer service satisfaction. Protect your vehicle floors from service soils and other unwanted spills.

- Universal fit
- Keeps vehicle clean
- Durable embossed paper construction
- 17" x 22", 250 per box

BK **22-012NAPA**

FLOOR-MATE COATED PAPER DISPOSABLE FLOOR MATS

Dell Corning floor mats will give you the results where you need them most, in customer service satisfaction. Protect your vehicle floors from service soils and other unwanted spills.

- Universal fit
- Keeps vehicle clean
- Durable coated paper construction
- 17" x 22", 500 per box

BK **20-003NAPA**

15 IN. PLASTIC DISPOSABLE STEERING WHEEL COVERS

- Steering wheel covers are made of translucent Tufflene, making them impervious to grease and most chemicals. They provide maximum protection for the wheel and more importantly, the customer's hands and gloves.
- Disposable
- Excellent Protection
- Both sides are elasticized

Item No.	Description
BK **30-000NAPA**	15", 100 per box
BK **30-001NAPA**	15", 250 per box
BK **30-003NAPA**	18", 250 per box

GEAR SHIFT KNOB COVER

Dell Corning gear shift knob covers protect your vehicle's shifter from stains, dirt and other unwanted spills.

- Durable
- Elastic bottom
- Service department necessity
- Box of 100 covers

BK **31-111NAPA**

PRO-TECH SEAT-MATE SEAT COVERS

Dell Corning seat covers protect your vehicle's seats from stains, liquids, dirt, grease and other grime.

- 3-ply cover has an unusually high strength to weight ratio
- Tufflene formula has a built-in stretch to help prevent tool punctures and rips
- Made of clear non-slip surface on both sides to lock in place providing safe usage

BK **10-003NAPA** 250 Seat Covers Per Roll
BK **10-004NAPA** 250 Individually Wrapped Seat Covers Per Box

ZEBRA PRINTER KIT
A static cling decal reminder kit that includes the printer, keyboard, ribbon and 1,000 static cling labels.
- Easy to operate
- Dark, bold and fade resistant
- Programmable with any custom message
- No smears, smudges or handwriting issues
- Special order with your business information

BK **64-500NAPA**

OIL CHANGE REMINDER LABELS
- Here is an effective way to gain higher visibility for important vehicle information. The 2 in. x 1.5 in. static cling stickers are large enough to hold necessary information, yet small enough to remain inoffensive.
- No adhesive residue
- Writable surface
- Can be used with label printers
- 500 per roll

BK **63-350NAPA**

CHECK YOUR OIL SERVICE STICKERS
Dell Corning manufactures the labels with top quality raw materials. The labels are static cling material with a white background. Labels are produced to adhere firmly to the windshield and conveniently sized for good visibility.
- Labels have an easy write-on surface Residue-free for easy removal
- Features colorful graphics for good visibility

BK **63-310NAPA**

PRINTER RIBBON
Dell Corning is partnered with Zebra Technology, which is one of the leading manufacturers of Direct Thermal Printers and accessories. The ribbons are top quality and long lasting.
- Excellent smudge and smear resistance
- The ribbons generate excellent print quality
- Easy to install
- Printer type: Laser

BK **64-220NAPA**

SERVICE DISPATCH NUMBERS
- Perfect size to write on
- Perforated key tag and claim check
- Made of card stock die cut slot
- Green print on one side, red on the other
- 1,000 per box

Item No.	Description
BK **70-210NAPA**	000-999
BK **70-211NAPA**	1000-1999
BK **70-212NAPA**	2000-2999
BK **70-213NAPA**	3000-3999
BK **70-214NAPA**	4000-4999
BK **70-215NAPA**	5000-5999
BK **70-216NAPA**	6000-6999
BK **70-217NAPA**	7000-7999
BK **70-218NAPA**	8000-8999
BK **70-219NAPA**	9000-9999

PARTS RETURN STORAGE BAGS
Dell Corning parts return bags are made of tough poly and are handy for quick packaging of miscellaneous small parts.
- Convenient
- Protects parts from grease or liquid leaks
- Handy for returning used parts to customers

BK **40-001NAPA** 10" x 14", 500 per roll, 2 rolls per case
BK **40-002NAPA** 12" x 22", 500 per roll

DELL CORNING WALL-MOUNT ROLL DISPENSER
Dell Corning wall mount dispenser holds one roll with a 1 – 3 inch sized core.
- Easy to use
- Space saver
- Will accommodate any roll length
- Steel

BK **80-002NAPA**

DELL CORNING METAL PARTS BAG DISPENSER
Dell Corning parts bag dispenser holds one roll with a maximum core width of 12 inches.
- Time saver
- Easily holds bag open
- Allows for easy, fast packing
- Steel

BK **80-003NAPA**

Shop Supplies

TIRE STORAGE BAGS

Dell Corning tire storage bags are made of a 3-ply plastic.
- Universal fit
- Keeps vehicles clean
- When snow tires come off, other tires can be stored neatly

Item No.	Description
BK **41-110NAPA**	SUV Sized tires, 100 per roll
BK **41-115NAPA**	Full Sized tires, 250 per roll

BATTERY STORAGE BAG

Dell Corning core return bags are made of very thick plastic for batteries or returned cores.
- Convenient
- Clear, no print
- Protects from grease and harsh chemicals
- 19" x 30", 50 bags per roll

BK **40-410NAPA**

DELL CORNING SPACE SAVER DISPENSER STAND

Dell Corning space saver dispenser stand holds a complete line of automotive service necessities.
- Includes tension belts to regulate dispensing of product
- Ample room on storage shelf and bottom for extra products
- Will accommodate the complete line of service protective products
- Steel

BK **80-001NAPA**

STAINLESS STEEL SAFETY LOCK WIRE

Conforms to ASTM A580-S30400-Cond A, Military Specification NASM200995 (MS20095) and AEROSPACE STANDARD AS567. The safety wire is installed so that if a fastener has any tendency to loosen, it will cause the safety wire to tighten. Made in the USA.
- Meets all commercial aircraft regulations
- Conforms to Military and Aerospace standards
- Features rustproof materials made of 304 Stainless Steel

BK **SRD19WA**

KEY TAGS

The most popular key tag on the market features a large special treated surface for easy writing.
- Durable
- Tear resistant
- No smear write-on surface
- 1000 per box

Item No.	Description
BK **62-222NAPA**	White tags
BK **62 223NAPA**	Yellow tags
BK **62-224NAPA**	Red tags

DELL CORNING KEY DROP BOX ENVELOPES

Dell Corning key drop box envelopes allow the customer convenient 24-hour access to drop off their vehicle keys.
- Write customer information on outside
- 500 Per box

BK **80-013NAPA**

DELL CORNING KEY DROP BOX

Convenient after hours metal key drop box for outdoor use.
- 24 hour access
- Metal

BK **80-014NAPA**

DELL CORNING WORK TICKET HOLDERS

Service repair order protectors made of heavy see-thru plastic with handle and eyelet.
- 15.5" W x 11.5" L
- 10 Mil material thickness
- 25 Per case

BK **42-210NAPA**

HAND & NAIL BRUSH

Carlyle Tools two-sided hand and nail brush helps clean dirt, grease and oil from hands and fingernails. It's perfect for use in garages, utility rooms and in the workshop.
- Comfort grip design
- Tough and lightweight
- Convenient hang tabs keep brush handy

CHT **NBRUSH**

Forney

48-PIECE PAINT MARKER DISPLAY

- 48-piece paint marker display
- Plus free 6-chamber display

Includes: (6) each Forney® *FNY* **70824** and *FNY* **70825**; (8) each *FNY* **70820** and *FNY* **70822**; (10) each *FNY* **70818** and *FNY* **70819**

FNY **70816**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Forney

PAINT MARKERS

- Multiple colors available in two sizes – regular and x-large
- Excellent on metal, coatings, plastic, glass, ceramic and almost any other non-porous surfaces
- Intense, highly visible, quick drying colors are water and weather resistant
- Precision valve regulates paint flow
- Medium bullet tip; marking range: -50 degree F to 150 degree F (-46 degree C to 66 degree C)

Item #	Color
FNY **70818**	White
FNY **70819**	Black
FNY **70820**	Red
FNY **70822**	Yellow
FNY **70824**	Silver
FNY **70825**	Orange

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER MET-AL® MARKERS

One marker does it ALL. Multi-purpose, quick-dry opaque paint. Temperature range - 2° F up to 600° F (-19° to 316° C). Marks, draws, paints or writes on: metal, wood, glass, plastic, ceramic, cardboard, leather, rubber, and rough or oily surfaces. Paint without the need of a brush. Use pen tip to spread paint. Home - office: personalize household items, personalize and identify tools/equipment, touch-up paint on metal and wood furniture. Industrial uses: welding shop, machine shop, tool shop, plumbing/pipe work/valves/fittings, warehouse work, ship yards, aeronautic workshop, auto body shops, and electrical work/conduits/cables.

Item No.	Color
BK **710-1634**	Black
BK **710-1635**	Red
BK **710-1675**	Green
BK **710-1676**	Blue
BK **710-1677**	Neon Orange
BK **710-1632**	White
BK **710-1633**	Yellow

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER MET-AL® FIBER-TIP MARKERS

Ultra smooth pump action fiber-tip paint marker. Writes on any surface - metal, rubber, glass, wood, plastic, ceramic and cardboard. The ideal tool for machine shops, auto workshops, professional welders, warehouse, shipyards, plumbers...and many more uses. Water resistant, quick dry, and many colors available.

Item No.	Color
BK **710-1712**	White
BK **710-1713**	Yellow
BK **710-1714**	Black
BK **710-1715**	Red
BK **710-1716**	Orange
BK **710-1717**	Blue
BK **710-1718**	Green

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Forney

FORNEY® FIREMAN™ WEED BURNER AND ICE MELTER (500,000 BTUS)

- Features a brass control knob that will not lock or freeze during use, an all-steel torch handle and torch head construction
- 10' hose with POL safety valve and universal CGA-510 L.P. connection. UL listed
- Striker included for proper ignition
- Hundreds of practical uses: burn weeds, melt ice, repair asphalt, etc
- Hooks up to a standard 20 lbs. barbecue grill-type liquid propane tank
- Easy to ignite using the flint lighter included with the kit
- POL valve prevents excess flow of L.P. gas if hose is cut or melted
- 36" all-steel handle and torch head

FNY **1723**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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Grease Guns & Accessories

LINCOLN

20V POWERLUBER

High-torque motor develops 10,000 psi.
- LED indicators identity loss-of-prime/empty-cartridge and blocked fittings
- Output rate: 3.5 oz./min. (L) 10.0 oz./min. (H)
- Bright LED work-light illuminates grease points
- 48 inch (122 cm) high-pressure hose
- Battery fuel gauge
- Includes 2 extra grease couplers (5852)
- 5-year tool warranty, 2-year battery/charger warranty
- Cartridges dispensed per charge at 1,000 psi back pressure: 12-14

BK **715-1583** Includes (1) Battery
BK **715-1584** Includes (2) Batteries

LINCOLN

20-VOLT LI-ION POWERLUBER®

Cordless operation makes greasing fittings quick and effortless on all types of vehicles, construction equipment, Ag equipment and industrial equipment. Dual speed design. 36" flex hose. 20 Volt DC. Stable 3-point stance keeps the tool upright and within reach. Electronically controlled two-speed design. Comfortable over-molded grip. Multi-functional LCD identifies grease output and loss of prime. Built-in LED illuminates dimly lit areas. Lithium battery technology provides powerful, efficient and long lasting performance.

BK **715-1430** Includes: (1) Grease Gun, (1) Battery, (1) Charger, (1) Case.
BK **715-1431** Includes: (1) Grease Gun, (2) Batteries, (1) Charger and (1) Case.

Hose Length and Size:..... 36"
Output Volume: .....10,000 PSI
Per Minute Output: .....3 oz. (Low) / 6 oz. (High)
Dispenses per Charge: .....14 grease cartridges
Grease Output in Cold Temperatures:.....down to 10°F (-12°C)

Item No.	Description
BK **715-1430**	With 1 Battery
BK **715-1431**	With 2 Batteries
BK **715-1432**	12V and 20V Max. Li-Ion Charger
BK **715-1433**	20V Max. Li-Ion Battery

LINCOLN

POWERLUBER® 12-VOLT CORDLESS RECHARGEABLE GREASE GUN KITS

Includes PowerLuber® Cordless Grease Gun (*BK* **715-1535**), and 110-volt one-hour Battery Charger (*BK* **715-1542**). Available with, or without blow-molded carrying case. Rated @: 6,000 PSI.

Item No.	Description
BK **715-1536***	12 Volt PowerLuber® Grease Gun Kit w/Case
BK **715-1542**	Battery Charger, 110V 1 Hr. Battery/Cordless Tool Charger
BK **715-1538**	Grease Coupler, Super-Duty, 6,000 PSI Working Pressure
BK **715-1545**	PowerLuber® Hose, 30" Whip
BK **715-1546**	PowerLuber® Hose, 36" Whip

NOTE: Grease cartridges and extra 12-volt battery sold separately.

LINCOLN

BK **715-1559**

POWERLUBER® 18-VOLT PERFORMANCE GREASE GUN KITS

Developed for heavy-duty applications, these 18-volt grease guns combine battery technology and a high-output motor, creating outstanding run time. Delivers exceptional performance with a two speed transmission for a high pressure or high volume grease flow option. Ergonomic design reduces hand fatigue, increasing productivity. High-strength, composite body with metal gear and pump housing provides outstanding durability, without weight penalty. Patented pumping mechanism and high-tolerance, piston to bore clearances provide unmatched efficiency. Hose Length: 30".

Specifications

Bulk Filler Valve:..... Yes
Cartridges Dispensed Per Charge*..... 8-10
Charge Time:..... 45 Min.
Charger Voltage Range:..... 14-18
Compact Carrying Case:..... Yes
Grease Flow Indicator:.....Patented Stroke Counter
Output Pressure:.....7,500
Output Rate:**.....3 Oz./Min. (L)-9 Oz./Min. (H)
Overload Protection:.....Circuit Breaker/Pressure Relief Valve
Quick Vent Air Purge Valve:..... Yes
Transmission:.....2-Speed
Voltage:.....18

* Many variables may increase/decrease volume, including grease type, ambient temperature, back-pressure and cycle time.
** @ 1,000 PSI back-pressure, NLGI #2, 72° F.

Item No.	Description
BK **715-1559**	18 Volt PowerLuber® Grease Gun Kit with One Battery
BK **715-1560**	18 Volt PowerLuber® Grease Gun Kit with Two Batteries
BK **715-1561**	18V Replacement Battery
BK **715-1572**	Charger for *BK* **715-1561** Battery

LINCOLN

POWERLUBER® 12 VOLT LI-ION CORDLESS RECHARGEABLE GREASE GUN WITH ONE BATTERY

The Lincoln PowerLuber® 12 Volt Cordless Rechargeable Grease Gun remains one of the most advanced grease guns ever created. Its powerful motor delivers a consistent grease flow at up to 8000 PSI for faster, more effective lubrication. Stable 3-point stance keeps the tool upright and within reach. Built-in LED illuminates dimly lit areas. Integrated hose holder. Air purge valve to prevent loss of prime. Balanced, lightweight design. 30" hose.

Item No.	Description
BK **821-5121**	Grease Gun
BK **715-1680**	Replacement 12-Volt Li-Ion Battery
BK **715-1432**	12V and 20V Max Li-Ion Charger

LINCOLN

POWERLUBER® 12-VOLT LI-ION CORDLESS RECHARGEABLE GREASE GUN WITH TWO BATTERIES

Includes two batteries.
Lithium battery technology provides powerful, efficient and long lasting performance.
The Lincoln PowerLuber® 12 Volt Cordless Rechargeable Grease Gun remains one of the most advanced grease guns ever created. Its powerful motor delivers a consistent grease flow at up to 8000 PSI for faster, more effective lubrication. Stable 3-point stance keeps the tool upright and within reach. Built-in LED illuminates dimly lit areas. Integrated hose holder. Air purge valve to prevent loss of prime. Balanced, lightweight design. 30" hose.

Item No.	Description
BK **821-5122**	Grease Gun
BK **715-1680**	Replacement 12-Volt Li-Ion Battery
BK **715-1432**	12V and 20V Li-Ion Charger

LINCOLN

POWERLUBER® 120-VOLT AC PERFORMANCE CORDED GREASE GUN

The first of its kind in the industry. Motor provides the highest torque values available. Ideal for filling grease reservoirs, the 120-volt grease gun is an excellent alternative to pneumatic lube tools. Ergonomic design reduces hand fatigue, increasing productivity. High strength, composite body with metal gear and pump housing provide outstanding durability, without weight penalty. High-pressure hose with dual spring guards, coupler and cord clip. Patented pumping mechanism and high-tolerance piston to bore clearances provide unmatched efficiency. Hose Length: 30". Provides excellent grease flow control with variable speed trigger combined with a 2-speed transmission.

Specifications

Bulk Filler Valve: ..... Yes
Cartridges Dispensed Per Charge: ..... Unlimited
Compact Carrying Case: ..... Yes
Grease Flow Indicator: ..... Patented Stroke Counter
Output Pressure: 7,000
Output Rate:* ..... 3.6 Oz/Min. (L)-8 Oz./Min. (H)
Overload Protection: ..... Pressure Relief Valve
Quick Vent Air Purge Valve: ..... Yes
Transmission: ..... 2-Speed w/Variable Trigger
Voltage: 120

*** @ 1,000 PSI back-pressure, NLGI #2, 72° F.**

BK **715-1565**

LINCOLN

POWERLUBER® BATTERY CHARGER

Item No.	Description
BK **715-1549**	14.4 Volt DC / 18 Volt DC Charger For *BK* **715-1548**, *BK* **715-1547**, *BK* **715-1551**, *BK* **715-1561** and *BK* **715-1559**

LINCOLN

MOBILE BATTERY CHARGER

Mobile 12/24 Volts DC charger provides the flexibility of recharging when out of the shop. Features automatic trickle charge mode and fits *BK* **715-1548** and *BK* **715-1561**.

BK **715-1572**

LINCOLN

REPLACEMENT 12-VOLT LI-ION BATTERY

- Heavy-Duty 12 Volt DC lithium-ion battery easily slides on and locks into place.
- 1500 mAh capacity
- Fits *BK* **821-5121** and *BK* **821-5122** guns
- Fits Lincoln 1200 series PowerLubers

BK **715-1680**

LINCOLN

20-VOLT MAX LI-ION CHARGER

110 Volt AC Charger for 20 Volt DC cordless PowerLuber Li-Ion batteries.
Fits *BK* **715-1433**, *BK* **715-1430**, *BK* **715-1431** and *BK* **715-1680**

BK **715-1432**

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Grease Guns & Accessories

M18™ 2-SPEED GREASE GUN 1CT KIT

- 10,000 PSI max operating pressure and max flow rate of up to 10 oz./ minute
- 2-Speed design: low speed delivers max pressure, high speed delivers max run-time & flow rate
- Exclusive pre-set grease counting: dispenses pre-set amounts of grease

Features

- Air bleeder valve: priming mechanism for quick flow
- 48 in. flexible hose offers greater access to difficult to reach fittings
- Lock-on/lock-off trigger provides added convenience
- Also compatible with a clear barrel accessory (MIL 49-19-2646)
- Compatible with all M18 batteries
- Part of the M18™ System, featuring over 200+ tools

Warranty: 5 year limited tool warranty, 2-3 year on battery

Item No.	Description
MIL **2646-21CT**	2-Speed Grease Gun Kit
MIL **2646-20**	2-Speed Grease Gun Tool only
Volts	18
Max PSI	10,000
Hose Length	48"
Speeds	2
Weight	17.2 lbs
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18™ Cordless 2-Speed Grease Gun (Tool Only) (*MIL* **2646-20**) (1) M18™ & M12™ Multi-Voltage Charger (*MIL* **48-59-1812**) (1) M18™ Compact REDLITHIUM™ Battery (*MIL* **48-11-1815**) (1) 48" Flex Hose w/ Spring Guard (1) High Pressure Grease Coupler (1) Carrying Case (1) Shoulder Strap

WORKFORCE® 12-VOLT GREASE GUN WITH 2 NI-CAD BATTERIES

The highest standards for engineering and craftsmanship are built into every Workforce® grease gun making them the choice for those who work under rugged conditions. Heavy-duty Die-cast Head Construction - For maximum durability and longer active service life. Durable Follower Rod and Spring - for consistent priming.

BK **715-2025**

Item No.	Description
BK **715-2025**	Grease Gun
BK **715-9004**	Replacement Battery
BK **715-9005**	Battery Charger

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORDLESS GREASE GUN

20V MAX* Grease Gun

Kit Item No.	*DEW* **DCGG571M1**
Max Volume	5.0 oz. / min
Hose Length	42"
Cartridge Capacity	14.5 oz.
Bulk Capacity	16 oz.
LED	Yes
MAX PSI	10,000 PSI
Tool Weight	9.5 lbs.
Charger / Batteries	Charger, (1) 20V MAX* XR® Lithium Ion (4.0 Ah)
Includes	Charger, Battery, Contractor Bag

AUTOMATIC AIR-OPERATED GREASE GUN

Fully automatic for continuous operation. Variable-speed trigger provides excellent flow control. Durable, advanced pump design eliminates traditional priming issues. High pressure, 30" hose includes coupler and attachment clip. Features accessible check valve assembly and comfort-grip. Combination filler nipple and bleeder valve included.

Specifications

Air Pressure Range: ..... 40-150 PSI (2.8-10.3 Bar)
Max. Grease Pressure: ..... 6,000 PSI (414 Bar)
Pump Ratio: ..... 40:1@150 PSI
Weight: ..... 5.375 lbs. (2.4 Kg.)
Output rate:* ..... 10 oz. per minute

BK **715-1562**

DUAL MODE AIR-OPERATED GREASE GUN

- Dual Mode Air Operated Grease Gun: Switch between fully automatic continuous grease flow operation and on demand/single shot operation, with the slide of an easy to use button
- Designed for outstanding durability and dependability, this 'ONE GUN' eliminates the need to have two separate guns – continuous flow and single shot
- Heavy duty and durable Aluminum die cast head with precision honed internal bore. Head fitted with bulk loader that doubles as an air bleeder
- Ergonomic pistol grip and acute angle design for higher balance and ease of use, especially in narrow work-spaces
- Sturdy variable trigger mechanism to dispense grease
- Premium powder coated finished barrel with clip mounted on the barrel for securing hose and coupler when not in use
- Flow Rate: Single Shot Mode: 1.30 Oz per 40 Strokes / Continuous Mode: Up to 14 Oz per minute
- Filling Options: Cartridge Loading, Suction Fill, Bulk Fill and Filler Pump Loading

BK **715-5260**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PISTOL-GRIP SINGLE SHOT AIR-OPERATED GREASE GUN

- Ergonomically designed single shot air grease gun is perfectly balanced for comfort
- Convenience of one-hand operation for easy greasing
- 1/4" NPT air Inlet. 6" grease pipe 1/8" NPT both ends with 4 jaws coupler (*BK* **715-1151**). Working Air Pressure of 60-90 PSI. Maximum Operating Pressure of 3,000 PSI (205 Bar)
- Pump Ratio: 40:1
- 3-Way Loading — 14 oz. cartridge, 16 oz. bulk fill or fill with pump
- Chrome-plated barrel for maximum protection against corrosion
- Equipped with air bleeder valve to release trapped air. Also includes filler nipple (*BK* **715-1340**) for use with Grease Filler Pump (*BK* **715-1276**)
- Tough follower for superior seal and eliminates grease bypass
- Heavy-duty follower spring for consistent priming
- Posi-lock follower rod with ergonomically designed T-handle provides positive grip and easy filling at any position
- Outputs 3.5 oz. (100 g) of grease per 100 strokes

BK **715-1269**

PISTOL-GRIP CONTINUOUS AIR FLOW GREASE GUN

Ergonomically designed professional quality air grease gun is perfectly balanced for comfort and convenience of one-hand operation for easy greasing.

- Patented Air Motor: Enables you to speed up lubrication
- Compact design facilitates work in tight spaces at every angle
- 1/4" NPT Air Inlet. 6" pipe with 3/8-32 UNEF x 1/8" NPT threads and 4 jaws coupler (*BK* **715-1151)**. Working air pressure of 40-150 PSI. Maximum operating pressure of 6,000 PSI (414 Bar)
- Pump Ratio: 40:1. Low operational noise
- Unique 360° rotating head design allows operator with a twist of the wingnut to lock the head in the optimum position to avoid obstacles
- Self-Priming. Equipped with air bleeder valve to release trapped air
- 3-Way Loading — 14 oz. cartridge, 16 oz. bulk fill or fill with pump
- Tough and resilient follower with heavy-duty spring for consistent priming — eliminates grease bypass and allows a superior seal for either cartridge or bulk loading applications
- Posi-lock follower rod with ergonomically designed T-handle provides positive grip and easy filling at any position

Item No.	Description
BK **715-1132**	Grease Gun
BK **715-1339**	Optional Hose, 30" 2 Springs, 1/8" NPT x 3/8-32 UNEF 7,500 PSI Working Pressure / 20,000 PSI Minimum Burst Pressure

NOTE: Not for use with silicone grease.

LOCK-N-LOAD™ VARIABLE STROKE PISTOL GREASE GUN

- Lock-n-Load™ threadless quick connect barrel allows you to reload in half the time compared to other grease guns
- Automatic Bleeder - Bleeds air when reconnecting barrel to head. Reduces air locks and priming problems
- Heavy-duty Die-cast Head Construction - For maximum durability and longer service life
- 3-Way Loading - Cartridge, bulk, filler nipple
- Lightweight Aluminum Barrel with Firm Grip Knurling - For better grip and durability
- Ergonomic T-grip follower handle
- Holds 14 oz. grease cartridge
- Allows grease delivery where short strokes are needed
- Delivers up to 5,000 psi
- Includes: 4-Jaw coupler for better grip and longer service life, 12" flexible grease hose for hard-to-reach grease fittings and 6" straight extension
- Stroke per ounce = 32

BK **715-1566**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PISTOL-GRIP GREASE GUN

Extra heavy follower spring ensures positive priming and uninterrupted pumping action. Rugged single piece head casting. The cast aluminum head and enclosed piston assembly work together to produce a grease gun that can withstand the abuse of even the harshest lubrication environments. Unique design and special pivot angle significantly reduce user fatigue. Cast head design, jam-proof handle return mechanism, variable stroke allows a high pressure option for high tolerance applications. Includes combination air bleeder/filler nipple to bulk fill and easily release trapped air. 7.500 PSI. 14.5 oz. Cartridge size.
Includes 18" whip hose and 6" rigid tube.

BK **825-5043**

HEAVY-DUTY PISTOL-GRIP GREASE GUN

Pistol-style grease gun with reinforced head and 18" flexible hose develops up to 6,000 PSI. Three-way loading for bulk fill, filler nipple or cartridge. Air bleeder valve eliminates air pockets. Hose is rated at 4,500 PSI working pressure/12,000 PSI minimum burst.

BK **715-1230**

PISTOL-GRIP GREASE GUN

All-purpose grease gun for one handed use on automobiles, farm machinery, and industrial equipment, develops up to 7,000 PSI. Reinforced head is equipped with air bleeder valve and filler nipple to allow three-way loading. Includes 4" pipe, coupler and non-drip cap.

BK **715-1232**

Grease Guns & Accessories

LINCOLN

MINI LEVER-ACTION JAM-PROOF HANDLE GREASE GUN

Includes rigid extension and coupler. Ideal for light-duty vehicle, marine, ATV, lawn, garden, motorcycle, and trailer. Compact and lightweight lever-action design produces 6,000 PSI far exceeding mini pistol-grip models. Cast aluminum head, powder-coated barrel, comfortable vinyl grip. Uses 3 oz. cartridge or can be hand packed or bulk filled. Conveniently stores in tool box or tray. Optional 12" and 18" flex hoses available separately. Replaceable hydraulic grease coupler. 6,000 PSI.

BK **825-5041**

MINI-LUBE GREASE GUN

Small, easy-to-use gun develops sufficient pressure for all normal grease applications. One-hand operation. Loads quickly and easily with 3 oz. grease cartridge or bulk grease. For use on: Auto chassis, farm equipment, garden equipment, outboard motors, snowmobiles, boat trailers, etc. Perfect for hard-to-reach areas and ideal for do-it-yourself applications.

BK **715-1231**

BK **715-1231** Grease Gun
BK **715-1246** Replacement Grease Tubes

LINCOLN

HIGH-PRESSURE GREASE GUN

Heavy-duty, high-pressure grease gun features three-way loading, 6" extension, hydraulic coupler, and 21 oz. bulk or cartridge lube capacity. Overall length: 24½".

BK **715-1143**

LINCOLN

PROFESSIONAL GREASE GUN

Heavy-duty, high-pressure grease gun with three-way loading, 6" extension, hydraulic coupler, and 16 oz. bulk or cartridge lube capacity. Rugged, cast-iron pump head. Jam-resistant toggle mechanism ensures easy lever action. Includes air-bleeder valve. (Cast-iron pump head with air bleeder valve included.)

BK **715-1142**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HEAVY-DUTY DELUXE GREASE GUN

Develops up to 10,000 PSI. Equipped with short stroke valve which enables grease input on ¼" or ½" strokes, as in confined spaces. Reinforced head with air bleeder valve and filler nipple. Output is 5.65 oz. of grease per 100 strokes.

BK **715-1237**

HAND-LEVER GREASE GUN

BK **715-1241**

Lever grease gun with reinforced head develops up to 10,000 PSI. Equipped with 6" pipe, 4 hardened jaws hydraulic coupler, and non-drip cap. Two-way loading - 14 oz. cartridge or 16 oz. bulk fill.

Item No.	Description
BK **715-1241**	Grease Gun
BK **715-1151**	Coupler
BK **715-1145**	Heavy-Duty Coupler

⚠ **WARNING: (*BK* 715-1151 & *BK* 715-1145) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LINCOLN

HEAVY-DUTY GREASE GUN

Develops full pressure with just ¼" stroke. 7,000 PSI max pressure. Length: 22⅞". Handy three-way loading: cartridge, filler pump or bulk. Large piston and bore design. High-output setting delivers twice the grease per stroke. High-pressure setting for high-tolerance joints and bearings. Multi-port pickup makes greasing in tight areas easy. 360° extension rotates for hard-to-reach fittings. Plated barrel, head and handle. 6,000 PSI. 14.5 oz. Cartridge size.

BK **825-5042**

DOUBLE PISTON HIGH VOLUME LEVER GREASE GUN

- High Output Grease Gun designed to reduce greasing time to one third
- Dual piston mechanism results in triple output per stroke reducing greasing time to one-third. A time and cost saving feature especially on agricultural and construction machinery where volume and frequency of greasing is high
- Dual inlet of grease ensures that gun does not lose prime
- Convenience of Use even in extreme cold weather conditions
- Flow Rate: Delivers up to 1 Oz per 12 strokes
- Filling Options: Cartridge Loading, Suction Fill and Bulk Fill

BK **715-5261**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

HEAVY-DUTY OIL SUCTION GUN

Multi-purpose filling and draining tool for use with non-corrosive lubricants. No priming necessary. Durable steel construction with 12" oil and UV resistant flexible vinyl hose. Ergonomically designed T-handle provides positive grip. Capacity: 18 oz.

BK **715-1245**

PUSH-TYPE IMPACT WRENCH GREASE GUN FOR USE WITH BULK GREASE

- Specially designed push type grease gun to lubricate hammer mechanism in air tools with flush type grease fittings, lawn mowers, ATV, RV's, Chain saws etc.
- Small tip opening ensures precise placement of lubricant in any application
- Die cast aluminum head with 2 threaded pockets to hold spare needle nozzles
- Compatible with most flush type fittings
- Includes needle nozzles with size: 0.028" (0.7 mm), 0.039" (1.0 mm), 0.055" (1.4 mm)
- Flowrate: Delivers up to 1 Oz. (28 gms) / 95 STROKES
- For use with Bulk Grease

BK **715-5262**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PUSH-TYPE IMPACT WRENCH GREASE GUN FOR 3 OZ. GREASE CARTRIDGE

- Specially designed push type grease gun to lubricate hammer mechanism in air tools with flush type grease fittings, lawn mowers, ATV, RV's, etc.
- Small tip opening ensures precise placement of lubricant in any application
- Die cast aluminum head with 2 threaded pockets to hold spare needle nozzles
- Compatible with most flush type fittings
- Tough, impact & drop-resistant polycarbonate tube
- Includes needle nozzles with size: 0.028" (0.7 mm), 0.039" (1.0 mm) and 0.055" (1.4 mm)
- Flowrate: Delivers up to 1 Oz. (28 gms) / 95 STROKES
- For use with 3 oz. Grease Cartridge

BK **715-5263**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

GREASE GUN LIGHT

- Designed to use with Grease Guns Extensions for locating grease fittings in dark areas, shoulders & other difficult to locate points
- Slim construction with a powerful LED
- Fits both on grease gun steel extensions and flexible hoses with ease
- Includes 3 LR 41 button cells
- 50 Lumens

BK **715-5275**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

QUICK LOCK GREASE COUPLERS

Designed for quick and convenient dis-engagement of coupler from grease / zerk fittings under pressure. The engagement system moves inside the steel wall when the thumb lever is actuated. This provides additional back support to the mechanism in high pressure applications.

- Robust Construction: 1½ times stronger coupler body is heat treated to withstand high pressures without deformation
- Case hardened rollers hold the coupler in position when subjected to high pressure applications
- Convenient Engagement: To engage the coupler, simply press the thumb lever & slide the coupler onto the fitting. The hardened 6 cylindrical pins hold the grease/zerk fitting tight
- Easy Release: Once greasing is complete, simply press the thumb lever again to disconnect coupler from the zerk fitting
- Unique 6-point contact design
- Hardened ball points of contact will not get deformed and hence give longer life
- Slim Line Coupler provides easy access into tight areas
- Universal design permits usage on all profiles of Grease Fittings – SAE, DIN, BS etc.

BK **715-5269**
BK **715-5270** Extended Reach

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HEAVY-DUTY QUICK-RELEASE GREASE COUPLER

Quick and simple connection. Proprietary locking and quick-release mechanism, the coupler locks-on and creates a leak-proof seal. Innovative design enables quick release coupler to firmly latch onto the grease fitting, enabling hands-free greasing. No more fighting and struggling with stuck-on couplers. If a fitting becomes pressurized, just depress the thumb lever and release the coupler. No more broken-off fittings. No spurts or splashes when disconnecting. The waste and the mess are gone!

- High quality tool steel
- Burst pressure of 22,000 psi
- Integrated non-return valve enables unit to be disconnected easily at pressures up to 15,000 psi (1,034 bar)
- Ergonomic thumb lever design makes coupling and uncoupling totally effortless. No more tugging or time-consuming effort! No more stuck couplers - twisting, yanking or using a screwdriver to get it off
- Compact: 2.9 in. Length x 1.2 in. height. Ideal for use in small, tight spaces
- Compatible with all sizes and forms of mounts. Fits all SAE and metric grease fittings
- Multi-year service life: high-performance hydraulic seal. No damage to the seal, after several hundred uses - no need to buy spares kits!

BK **715-1582**

GALVANIZED GREASE GUN BRACKET

- Heavy-duty grease gun bracket, wall or truck mounted.
- Industrial strength, heavy-duty spring
- Mounts to any surface
- Heavy-duty galvanized steel construction
- For standard grease and suction guns
- Handy for mechanics, farmers, construction and shop workers

BK **715-1575**

Grease Gun Accessories

LINCOLN

GREASE GUN COUPLER

- Holds securely on fitting, enabling single-handed function during greasing
- Comfortable, ergonomic design with protective grip
- The PowerLock coupler simplifies the lubrication process and is quick and easy to use.
- Featuring one-handed operation, the coupler remains attached without being held in place.
- Lever activated for quick attachment and release from fitting
- Lowers lubricant costs due to less grease bypass
- Optimizes lubricant delivery
- Durable, all-steel construction
- The reverse-jaw design holds the fitting securely to the seat for less grease bypass and lower lubricant costs.
- Works with all manual, pneumatic and battery powered grease guns
- Maximum pressure: 10,000 PSI

BK **715-1442**

11 PC. LUBRICATION ACCESSORY KIT

- Kit contains 11 of Lumax's most popular lube accessories
- Organize and store in convenient storage case
- Use with all standard grease guns, grease pumps and dispensing devices

Contents: 12" grease hose with spring, standard grease coupler, 90° grease coupler, 360° swivel grease coupler, right-angled grease coupler, 4 1/2" push-type adapter, 3/4" needle nose adapter, 1 1/2" needle nose adapter, 7" needle nose adapter, S.S. grease injector needle, seal off adapter with rubber tip

BK **715-1331**

LINCOLN

QUICK CONNECT LUBRICATION KIT

Use with all standard grease guns and dispensing devices. All accessories utilize high tolerance locking sleeves. Quick-connect couplings make changing adapters fast and easy. Designed for garages, maintenance shops, field service and industrial environments. Performs almost any lubrication job, on any type of machine, with almost any type of lube fitting in almost any location. Reduces time spent searching for the correct adapter, straining to reach an inaccessible fitting or struggling to change out threaded adapters. Simplifies the task of lubrication. Reduces lube time. Eliminates the need to swap out fittings. Eliminates the time required to un-thread and re-thread couplers. The kit includes a complete selection of adapters and extensions that work with all standard grease guns and dispensing devices. Contains quick-connect versions of seven of Lincoln's most popular lube accessories.

Includes Parts: QC Press-on 90° Lube Tool (5859), QC Straight Extension (5855), QC 12" Hose Extension (81795), QC Slide-on 90° Coupler (5884), QC Rubber Tipped Nozzle (83278), QC Needle Nozzle (82784), QC 360° Coupler (5849), heavy duty recloseable case.

BK **825-5040**

LINCOLN

WHIP HOSES

7/16" UNEF fitting. 1/8" NPT outlet. 7,500 PSI working pressure.

Item No.	Description
BK **715-1543**	18"
BK **715-1544**	24"
BK **715-1545**	30"
BK **715-1546**	36"

NAPA

BK **715-1139**

HOSE EXTENSIONS

SAE 100R 7, single-braid grease hoses for manual or air operated grease guns. Working pressure: 4,500 PSI. Burst pressure: 12,000 PSI. MNPT: 1/8"

Item No.	Description
BK **715-1139**	12 inches
BK **715-1140**	18 inches
BK **715-1141**	36 inches

48 IN. LONG UNIVERSAL REPLACEMENT HOSE & COUPLER

- Flexible 48" long grease hose for use with battery-powered grease guns complete with 4-jaw coupler
- Spring end guards prevent hose from kinking
- Designed to work in applications with Working Pressure up to 10,000 PSI
- One end of the hose is threaded 1/8" NPT (M) and has a grease coupler attached
- Other end of the hose is threaded 7/16"-28 UNEF (M) and attaches directly to battery guns from Lincoln & Dewalt
- 2 threaded Steel adapters additionally included allow converting the 7/16"-28 UNEF (M) threads to 7/16" -20 UNF (M) with O Ring for use with Battery Powered Grease Guns from Milwaukee & Alemite. An additional adapter converts 7/16"-28 UNEF (M) threads to 1/8" NPT (M) for use with other common Battery Grease Guns

BK **715-5268**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

HIGH PRESSURE GREASE HOSE WITH SWIVEL

- Flexible Grease Hose designed to access grease fittings with limited reach
- Highly flexible with minimum bending radius of 1.57" (40 mm)
- Zinc-plated steel end connections with hydraulic crimping
- For use with Hand and Air Operated Grease Guns
- One end threaded 1/8" NPT (M) for attaching grease coupler, other end fitted with 360° Swivel with 1/8" NPT (M) threads for fitting on Grease Gun Outlet
- Swivel allows free rotation of the hose, with no kink or bent and greatly increases convenience to access hard to reach fittings

BK **715-5266** 12" Length
BK **715-5267** 18" Length

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

LUBELINK AUTOMOTIVE ACCESSORY KIT

Housed in a durable, space-saving carrying case, which has a dedicated compartment for each accessory, making it easy to spot missing pieces. All LubeLink Kit accessories can also be purchased separately.

BK **715-2024**

Contents

Description	Qty.
12" steel braid rubber grease hose with spring-guard and four-jaw coupler	1
Hypodermic-type grease injector needle with quick-connect coupler	1
3" Straight needlepoint coupler	1
3" 90° straight needlepoint coupler	1
Right-angle needlepoint coupler	1
Low-profile, right-angle coupler	1
Tight tolerance, right-angle coupler	1
8" Push-on-type coupler	1

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WHIP HOSES

Nylon liner, Aramid fiber reinforcement and unperforated black urethane cover, with 2 spring guards and 4-jaw coupler. Working pressure: 7,500 PSI. Minimum Burst Pressure: 20,000 PSI. Thread size: 3/8"-32 UNEF x 1/8" NPT.

BK **715-1338**

BK **715-1338** 18" Whip Hose, Fits *BK* **715-1132**
BK **715-1339** 30" Whip Hose, Fits *BK* **715-1132** and *BK* **715-1539**

LOCK-N-LOAD™ GREASE HOSE, THERMOPLASTIC, 3/16 IN. X 18 IN., 1/8 IN. MNPT ENDS, HIGH PRESSURE, SPRING GUARD

SAE 100R7 thermoplastic grease hose, 12,000 psi burst pressure, heavy-duty, high quality 1/8" MNPT fittings. For manual operated grease guns only.

BK **715-2030**

WHIP HOSE

BK **715-1228**

High-pressure grease hose with 1/8" NPTM ends. Rated at 3,500 PSI working pressure and 11,600 PSI minimum burst.

Note: For hand grease guns only.

BK **715-1228** 12 inches
BK **715-1229** 18 inches

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXIBLE-LINE GREASE INJECTION TOOL

Provides a safe and efficient alternative to common grease needles when lubricating hard-to-reach areas with handheld grease guns. Flexible-line design keeps operator's hands away from needle when attaching/detaching grease coupler, and prevents needles from becoming bent or broken. Ideal for use in automotive, agricultural and industrial applications.

BK **715-1564**

GREASE JOINT REJUVENATOR®

The grease joint rejuvenator® forces light oil into a grease joint, flushing out old hardened grease while allowing the new grease to be pushed through. Instantly opens clogged grease joints, cleans away and stays in milling machines and lathes. Lubricates and unclogs bearings, control arms, king pins, piston arms, packaging, shafts and bushings. Can be used on farm, construction, lawn, excavating, manufacturing, machine shop and well-drilling equipment, as well as trucks, trailers and marine drive units. Includes a 5" flex hose and extra coupler in a blow molded case.

SER **7862**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

IMPACT GREASE FITTING CLEANER

The time-saving alternative to fitting replacement and joint disassembly! Designed to eliminate downtime, the Impact Fitting Cleaner clears obstructions by allowing lightweight oil or solvents to enter the clog with a quick burst of pressure. Also cleans hardened grease from bearing and joint surfaces so fresh grease can be applied.

BK **715-1563**

WORKFORCE™ PORTA-PAK™ 12-PACK GREASE AND CAULK TUBESTORAGE BOX

Protective storage container for 12 caulk/grease tubes. Adjustable shoulder strap for easy handling. Damage and weather-resistant. High-impact plastic construction. Does not include tubes.

BK **715-2026**

GREASE GUN MOUNT

Easily mounted on farm machinery, walls, or equipment. Zinc-plated, corrosion-resistant finish. Fits any grease/suction gun, or barrel pump with standard 2 1/4" O.D. barrel.

BK **715-1248**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Grease Gun Accessories

HANDY PACKER® WHEEL BEARING PACKER

Quickly flushes out old grease and repacks bearings with less mess. Grease stays in tool cavity—not on your hands. To operate, simply place bearing on piston. Press down on cap until old grease is forced out and new grease shows on top of bearing. Works on bearings up to 3½" in outer diameter.

SER **77-4005**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNIVERSAL HAND BEARING PACKER

Screw bearing unit between cones and apply grease gun through fitting provided. Forces out old grease and evenly injects new grease throughout bearing.

BK **776-9028**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WHEEL BEARING PACKER

Portable, compact and packs bearings up to two-inches in diameter. No grease gun, turning, or fastening required! Does not have to be bolted down. High-density polyethylene construction. For use on: Cars, trucks, golf trailers, boat trailers, agricultural equipment, mobile homes, campers, and horse trailers.

BK **715-1256**

GREASE FITTING SORTER

- Great tool box accessory to sort out mixed Grease fittings
- Aluminum construction with mounting holes
- Designed to check 21 most popular thread types

BK **715-5274**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

QUICK CONNECT GREASE INJECTOR NEEDLE

- Designed for lubricating in very tight spaces such as sealed bearings, universal joints etc.
- No threads, no screwing or unscrewing, just snap on and use on sealed bearings, U-joints etc.
- Comes complete with protective plastic holder
- For use with hand operated grease guns only
- 18G Stainless Steel Needle

BK **715-5271**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

QUICK-DISCONNECT GREASING ADAPTER

For quickly converting regular jaw type grease couplers into a fine line needle grease dispenser. Furnished with two sleeves to fit standard and heavy duty couplers. For hand grease guns only.

BK **715-1200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NEEDLE-TYPE GREASING ADAPTER

Designed for accessing limited places, particularly the universal joint. Equipped with locking sleeve for stability. Length: 5¼".

BK **715-1211**

NEEDLE-NOSE GREASING ADAPTER

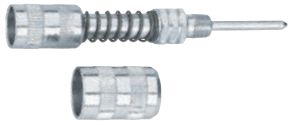
BK **715-1213**

Converts standard couplers to dispense a fine line of grease through needle-nose. Includes both standard and wide locking sleeves for a quick connection to standard and heavy-duty grease couplers. Ideal for use on hard-to-reach grease spots on cars, farm equipment, four-wheel-drive vehicles, RVs, trucks, and more! For use on hand-operated grease guns only. Needle Length: 4". Adapter Length: 3".

BK **715-1213** Greasing Adapter
BK **715-9512** Needle

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

4-3/4 IN. NARROW NEEDLE-NOSE GREASE DISPENSER



For use on C.V. joints on four-wheel-drive pickup trucks. Also handy for many agricultural applications and hard-to-reach grease fittings, where standard coupler heads will not fit. Needle: 1½" L. x 5/32" diameter.

BK **715-1251**

QUICK CONNECT NEEDLE NOSE DISPENSER

- Right angled design allows convenient access in shoulders and other confined areas
- No threads, no screwing or unscrewing, just snap on and use
- Dispenses a fine line of grease
- For use with hand operated grease guns only
- Converts any standard jaw type coupler into fine line greasing

BK **715-5273**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

NEEDLE POINT ADAPTER, 19/32 IN.

- For use on hand-operated grease guns only
- Dispenses a fine line of grease through needle nose
- Can be used with grease gun extension or hose
- Ideal for use on universal joints and other applications for pinpoint lubrication
- Zinc-plated, corrosion-resistant finish, 1/8" NPTF

BK **715-1215**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INJECT-A-LUBE NEEDLE KIT

Use to lubricate sealed bearings and reach those inaccessible places on your equipment. Contains two 18-gauge x 1 1/2" long stainless steel needles with protective covers.

BK **700-1193**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PUSH-TYPE GREASING ADAPTER

Designed with concave-shaped tip which matches the head of grease fittings on universal joints and bearings in positions where lateral movement to release couplers is impossible. Equipped with locking sleeve. Length: 5 1/2".

BK **715-1219**

GREASING EXTENSION ADAPTER

Designed to reach out-of-the-way fittings. Equipped with high-pressure coupler and locking sleeve. Length: 14".

BK **715-1180**

RIGID/FLEXIBLE GREASING EXTENSION

Can be bent around obstructions, or made rigid for one-hand lubrication. Meets safety requirements for use with air-operated lubrication equipment. 1/8" NPT(F) for use with all high-pressure control valves. Hose maximum working pressure: 20,000 PSI. Length: 13 5/8".

BK **715-1601**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

QUICK CONNECT RIGHT ANGLE JAW TYPE GREASE COUPLER

Designed for quickly converting regular couplers for greasing fittings with limited access, in low height areas etc.

- Right angle coupler fitted onto the quick disconnect adapter
- Fits straight onto the grease gun coupler

BK **715-5272**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

90° GREASE COUPLER ADAPTER

For hard-to-reach grease fittings on cars, trucks, and equipment. Ideal for lubrication of late model, front-wheel-drive vehicles. Comes with large and small sleeves. Recommended working pressure: 4,000 PSI.

BK **715-1259**

SWIVEL GREASE COUPLER

Built-in swivel allows full 360° circle. Locks in any one of eight 45° positions. Adjustable coupler section permits contact with fitting in reverse positions. Angle body has 1/8" NPTF inlet. Permits addition of pipe extension when required. Maximum operating pressure: 7,500 PSI.

BK **715-1341**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASE COUPLER WITH HEX

Heavy-duty, all-steel construction with ball check and 4 hardened steel jaws. 6,000 PSI working pressure. Thread size: 1/8" NPT. Hex size: 11/16".

BK **715-1145**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STANDARD GREASE COUPLER

Designed for use with all hand-operated and air-powered grease guns. Heavy-duty, all steel construction with ball check and 4 hardened steel jaws. 3,000 PSI working pressure. Thread size: 1/8" NPT. Wrench flats: 1/2".

BK **715-1151**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LOCK-N-LOAD™ GREASE COUPLER, 4 JAW HIGH PRESSURE

High pressure grease gun coupler.

BK **715-2029**

Grease Gun Accessories & Grease Fittings

HYDRAULIC ADAPTER

(Fits discontinued control handles *BK* **715-1294** and *BK* **715-1295**.)

BK **715-9572**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HIGH PRESSURE GREASE GUN SWIVEL

- Designed to enable unrestricted grease hose movement without any bending, twisting or kinking
- Threaded 1/8" NPT Male × 1/8" NPT Female
- All steel construction in plated finish
- Fits on grease gun outlet of any grease gun, providing unrestricted 360° movement to the grease gun hose

BK **715-5265**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

BUTTON-HEAD GREASE COUPLER

1/8" NPT female inlet with removable plug to enable push or pull on use. Zinc die cast construction for maximum protection against corrosion.

BK **715-1153**

Item No.	Description
BK **715-1153**	Button-Head Coupler for 7/8" Giant Button-Head Fittings, maximum operating pressure: 7,500 PSI (517 Bar)
BK **715-1152**	Button-Head Coupler for 5/8" Standard Button-Head Fittings, maximum operating pressure: 6,000 PSI (413 Bar)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASING ADAPTER BUSHING

For adapting standard or large button-head couplers with 7/16"-27 female threads to 1/8" NPT male connection. Bushing is 7/16"-27 male x 1/8" P.T. female. Recommended working pressure: 3,000 PSI (207 Bar). Maximum Operating Pressure: 4,500 PSI (310 Bar). Zinc-plated for maximum protection against corrosion.

BK **715-1173**

GREASING NOZZLE PIPE

Steel tubing with 30° angle, and 1/8" P.T. on each end. Length: 6".

BK **715-1175**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RIGHT-ANGLE GREASE COUPLER

Fits grease fittings in confined areas, such as lower ball joints on Chrysler K-cars. Specially-designed seal and slot in coupler housing provide 90° access in areas where minimal clearance is available. Fits all standard grease guns, and can also be used as general purpose grease coupler, or on any grease fitting where space is limited. Eliminates the need for flexible hoses.

BK **700-2020**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OIL CONTROL GUN SWIVEL

1/2" MNPT x 1/2" FNPT.

BK **715-1389**

RED GREASE FITTING CAPS

Plastic caps for grease fittings are an easy way to keep contaminants out.

- Plastic caps are used to keep contaminants out, color code greasing points based on type and frequency of greasing
- Designed with a inbuilt collar, these are most convenient in use and fit directly on to the greasing end of the fitting
- Made from a special plastic, these adjust to minor variations in fitting head diameter, as well as variations in temperature and practically fit all standard fittings designed for use with jaw-type couplers
- Quantity of five

Specifications

Cap Diameter: ..... 0.33 in.
Cap Length: ..... 0.93 in.
Cap Fitting Size: ..... 0.24 in.
Cap Lock Guider Diameter: ..... 0.23 in.
Cap Lock Guider Thickness: ..... 0.04 in.

BK **715-1093**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASE FITTING ASSORTMENTS

Item No.	Description
BK **725-2620**	8 Pc. Zinc-Plated (1/4"-28 Thd.)
BK **725-2634**	31 Pc. Metric Zinc-Plated (M6-M10 Thd.)
BK **725-2633**	32 Pc. High Carbon (1/8"-1/4" Thd.)

BK **725-2620**

⚠ **WARNING: (*BK* 725-2634 & *BK* 725-2633) This product can expose you to nickel, a chemical known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

GREASE FITTING CAPS

Handy, neoprene protective caps keep dirt and moisture out of grease fittings and bearings. Will not fit button head fittings. Length: 3/8". Retail pack of 5.

BK **715-1091**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HYDRAULIC PIPE THREAD FITTINGS - 1/4 IN. TAPER

Used for larger bearings on farm machinery and heavy industrial equipment. Recommended for heavy lubricants in cold weather. All (m) threads. Maximum pressure 10,000 PSI.

Item No.	Description	Size	Package Qty.	
BK **715-1067**	Ball Check	7/8" Overall.	100	
BK **715-2017**	Ball Check	7/8" Overall.	Retail Card of 5	
BK **715-1074**	Ball Check	3/8"-24. Rear spring. 21/32" Overall.	10	
BK **715-1069**	Ball Check	3/8"-24. Angle. 31/32" Overall.	5	
BK **715-1073**	Spring Straight Fitting	5/16"-24 ball check. Front spring. 21/32" Overall.	10	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BUTTON-HEAD GREASE FITTINGS

For industrial applications and machinery. Giant type for pressures up to 15,000 PSI. Standard type for pressures up to 6,000 PSI.

Item No.	Description	Size	Package Qty.	
BK **715-1115**	Ball Check	1/8" PT. 3/4" Overall. 19/32" Head Dia.	5	
BK **715-1116**	Ball Check	3/8" PT. 63/64" Overall Length.	1	
BK **715-1120**	Ball Check	1/4" PT. 1 1/4" Overall. 13/16" Head Dia.	1	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BALL CHECK

1/4"-32 Thread. 21/32" Overall.

BK **715-1079** Qty. 5

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HYDRAULIC PIPE THREAD FITTINGS - 1/8 IN. TAPER

Feature positive seal with high pressure ball check. Maximum pressure 10,000 PSI.

Item No.	Description	Overall Size	Package Qty.	
BK **715-1021**	Ball Check	11/16"	Box of 100	
BK **715-2000**	Ball Check	11/16"	Retail Card of 5	
BK **715-1011**	Ball Check	63/64"	Card of 1	
BK **715-1012**	30° Ball Check	29/32"	1	
BK **715-2012**	30° Ball Check	29/32"	Retail Card of 5	
BK **715-1026**	45° Ball Check	57/64"	Box of 100	
BK **715-2013**	45° Ball Check	57/64"	Retail Card of 5	
BK **715-1028**	65° Ball Check	27/32"	Box of 100	
BK **715-2021**	65° Ball Check	27/32"	Retail Card of 5	
BK **715-1030**	90° Ball Check	27/32"	Box of 100	
BK **715-2001**	90° Ball Check	27/32"	Retail Pack of 5	
BK **715-1016**	Ball Check	1 3/4"	1	
BK **715-1017**	65° Ball Check	2 3/4"	1	
BK **715-1018**	90° Ball Check	1 13/16"	1	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

All grease fittings are OEM quality and meet or exceed SAE J-354 and Military Specification.

HYDRAULIC THREAD FITTINGS - 1/4 IN. - 28 TAPER

Used on most cars and trucks and on many industrial machines. Maximum pressure 10,000 PSI.

Item No.	Description	Overall Size	Package Qty.	
BK **715-1051**	Short Ball Check	35/64"	Box of 100	
BK **715-2003**	Short Ball Check	35/64"	Retail Card of 5	
BK **715-1053**	Long Ball Check	11/16"	Box of 100	
BK **715-2004**	Long Ball Check	11/16"	Retail Card of 5	
BK **715-1056**	45° Short Ball Check	13/16"	Box of 100	
BK **715-2005**	45° Short Ball Check	13/16"	Retail Card of 5	
BK **715-1084**	45° Long Ball Check	57/64"	Box of 10	
BK **715-1060**	90° Short Ball Check	3/4"	Box of 100	
BK **715-2006**	90° Short Ball Check	3/4"	Retail Card of 5	
BK **715-1087**	65° Ball Check	25/32"	Box of 5	
BK **715-1082**	Extra-Long Ball Check	31/32"	Box of 5	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DRIVE-TYPE GREASE FITTINGS

Recommended for low and medium pressures only. Use to avoid tapping cost on a wide variety of applications.

Item No.	Description	Overall Size	Package Qty.	
BK **715-1047**	5/16" Dr. Ball Check	35/64"	1	
BK **715-2015**	5/16" Dr. Ball Check	35/64"	Retail Card of 5	
BK **715-1048**	3/16" Dr. Ball Check	33/64	1	
BK **715-2002**	3/16" Dr. Ball Check	33/64	Retail Card of 5	
BK **715-1049**	1/4" Dr. Ball Check	35/64"	1	
BK **715-2016**	1/4" Dr. Ball Check	35/64"	Retail Pack of 5	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LARGE FOUR-WAY GREASE FITTING TOOL

Removes 7/16" and 3/8" hex angle or straight fittings. Retaps 1/8" P. T. holes, and removes broken 1/8" P. T. fittings.

BK **715-1197**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SMALL FOUR-WAY GREASE FITTING TOOL

Removes 5/16" and 3/8" hexes. Retaps 1/4"x 28 standard thread holes. Removes 1/4" standard thread fittings.

BK **715-1198**

All grease fittings are OEM quality and meet or exceed SAE J-354 and Military Specification.

METRIC GREASE FITTINGS

For use on most cars and trucks and many industrial machines.
Maximum pressure: 10,000 PSI.

Item No.	Description	Size	Package Qty.	
BK **715-1425**	Straight Ball Check	19/32" Overall. 6mm x 1.	1	
BK **715-2007**	Straight Ball Check	19/32" Overall. 6mm x 1.	Retail Card of 5	
BK **715-1416**	45° Angle Ball Check	13/16" Overall. 6mm x 1.	1	
BK **715-1427**	90° Angle Ball Check	3/4" Overall. 6mm x 1.	1	
BK **715-2018**	90° Angle Ball Check	3/4" Overall. 6mm x 1.	Retail Card of 5	
BK **715-1418**	Straight Ball Check	5/8" Overall. 8mm x 1.	1	
BK **715-2020**	Straight Ball Check	5/8" Overall. 8mm x 1.	Retail Card of 5	
BK **715-1420**	90° Angle Ball Check	23/32" Overall. 8mm.	1	
BK **715-2019**	90° Angle Ball Check	23/32" Overall. 8mm.	Retail Card of 5	
BK **715-1421**	Straight Ball Check	5/8" Overall. 10mm x 1.	1	
BK **715-2008**	Straight Ball Check	5/8" Overall. 10mm x 1.	Retail Card of 5	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STRAIGHT DRIVE FITTING TOOL

For installing straight drive-type fittings.

BK **715-1194**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

METRIC GREASE FITTING ASSORTMENT

Assortment of 50 ball check fittings in a clear plastic storage box.
Contents

Qty.	Part No.	Description
10	*BK* **715-1416**	45° Angle, 6mm x 1"
10	*BK* **715-1427**	90° Angle, 6mm x 1"
5	*BK* **715-1420**	90° Angle, 8mm x 1"
1	—	Storage Box (Free)
10	*BK* **715-1425**	Straight, 6mm x 1"
10	*BK* **715-1418**	Straight, 8mm x 1"
5	*BK* **715-1421**	Straight, 10mm x 1"

BK **715-1403**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DELUXE GREASE FITTING ASSORTMENT

Assortment of 100 ball check fittings packaged in a functional plastic storage box.

Contents

Qty.	Part No.	Description
3	*BK* **715-1012**	1/8" P. T. 30° Angle
6	*BK* **715-1026**	1/8" P. T. 45° Angle
5	*BK* **715-1028**	1/8" P. T. 65° Angle
6	*BK* **715-1030**	1/8" P. T. 90° Angle
15	*BK* **715-1021**	1/8" P. T. Straight
4	*BK* **715-1067**	1/4" P. T. Straight
6	*BK* **715-1053**	1/4"-28 Tapered; 11/16" L.
25	*BK* **715-1051**	1/4"-28 Tapered; 27/32" L.
10	*BK* **715-1056**	1/4"-28 Tapered, 45° Angle
20	*BK* **715-1060**	1/4"-28 Tapered, 90° Angle
1	—	Display Box

BK **715-1037**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASE FITTING CHANGEOVER ASSORTMENT

Includes the fittings necessary to change late model plugs to grease fittings. Clear plastic storage box.

Contents

Qty.	Part No.	Description
10	*BK* **715-1056**	Angled, 45° (13/16" L.; 1/4"-28 Thd.)
10	*BK* **715-1060**	Angled, 90° (3/4" L.; 1/4"-28 Thd.)
30	*BK* **715-1051**	Straight, 27/32" L. (1/4"-28 Thd.)
1	—	Storage Box

BK **715-1038**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

All grease fittings are OEM quality and meet or exceed SAE J-354 and Military Specification.

STATIONARY GREASE PUMPS

All Balkamp stationary grease pumps from Samson include a combination filter regulator with automatic drain.

SAMSON

BK **817-1134**

55:1 STANDARD DUTY GREASE PUMP

Includes PM3 55:1 grease pump, 1/4" x 5' LP air inlet hose, air inlet ball valve, 1/4" x 5' HP grease connecting hose, piggy back filter/regulator w/gauge-auto drain, follower plate, and drum cover. Drum not included

BK **817-1134** 120 lb. Keg Package
BK **809-1023** 400 lb. Drum Package

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BARE GREASE PUMPS

Includes pump only (no accessories included).

SAMSON

PM3 55:1 STANDARD DUTY BARE GREASE PUMP

Air inlet: 1/4" NPT(F), grease outlet: 1/4" NPT(F)

BK **813-5161** For 120 Lb. Keg
BK **813-5162** For 400 Lb. Drum

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BK **813-5162**

SAMSON

PM35 60:1 HEAVY-DUTY BARE GREASE PUMP

Air inlet: 3/8" NPT(F), grease outlet: 3/8" NPT(F)

BK **395-1917** For 120 Lb. Keg
BK **395-1919** For 400 Lb. Drum

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BK **395-1919**

SAMSON

PROFESSIONAL HEAVY-DUTY STATIONARY GREASE PUMPS

Includes PM35 60:1 grease pump, 3/8" x 5' LP air inlet hose, air inlet ball valve, 3/8" x 5' HP grease connecting hose, piggy back filter/regulator w/gauge-auto drain, follower plate, and drum cover. Drum not included

BK **817-1135** 120 lb. Keg Package
BK **809-1024** 400 lb. Drum Package

BK **809-1024**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SAMSON

PROFESSIONAL HEAVY-DUTY STATIONARY GREASE DRUM PUMP PACKAGE W/ REEL AND HANDLE

Assembly for high-pressure greasing with a PM35 60:1 grease pump for 400lb. drums. Package includes a 3/8" x 50' HP hose reel for higher delivery, high-pressure grease control gun with Z-swivel, and 3/8" filter regulator. Drum not included

BK **395-1006**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SAMSON

ARE YOU INTERESTED IN MAKING A PUMP – REEL PACKAGE?

First choose the Stationary Grease Pump Package that best meets your needs and then order the following:

Item No.	Description
BK **395-1911**	50' x 1/4" Grease Hose Reel
BK **715-1553**	Z Swivel – 1/4" x 1/2" NPTF
BK **715-1552**	Grease Control Handle

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

GREASE PUMP ACCESSORIES

GREASE CONTROL VALVE WITH PRESSURE BOOST

- Grease Control Valve with built-in pressure boost mechanism
- Continuous flow with pistol handle fully pressed
- Pressure boost achieved through repeated actuation of the pistol handle
- Boosts line pressure from 6,000 PSI (400 BAR) to 10,000 PSI (690 BAR); extremely useful to unblock frozen grease fittings
- Heavy-duty steel construction
- Complete with heavy duty 4 jaw coupler with ball check
- Inlet threaded 1/4" NPT (F)

BK **715-5264**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SAMSON

HIGH-PRESSURE GREASE CONTROL HANDLE

For use with air operated systems. Inlet is 1/4" NPTF with angled rigid outlet pipe with heavy duty 3 jaw hydraulic coupler. 1/8" NPT(F) outlet.

BK **715-1552**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

Z-SWIVELS FOR GREASE HANDLES

For use with grease control handles on air-operated systems. Check hose to properly match Z-swivel fitting to hose fitting.

BK **715-1553** 1/4" NPTM x 1/2" -27M
BK **715-1554** 1/4" NPTM x 1/4" NPTF
BK **715-1166** 1/8" MPT x 1/8" FPT.

BK **715-1554**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

GREASING SWIVEL

Straight 1/8" MPT x 1/8" FPT.

BK **715-1167**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

STEEL CONTAINER COVERS

Item No.	Description
BK **825-1004**	Pail Cover – 120 lb. / 16-Gallon Keg

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

BK **825-1002**

BK **825-1005**

BK **819-1002**

UNIVERSAL FOLLOWER PLATES

Item No.	Description
BK **825-1002**	Follower Plate – 35 lb. / 5-Gallon Pail
BK **825-1005**	Follower Plate – 120 lb. / 16-Gallon Keg
BK **819-1002**	Follower Plate – 400 lb. / 55-Gallon Drum

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PORTABLE GREASE PUMPS

35 LB. PAIL PORTABLE ECONOMY GREASE PACKAGE

Includes PM3 55:1 grease pump package with carry handle, grease control gun with straight swivel and hydraulic coupler, 1/4" piggy back F/R w/gauge, 1/4" x 5' high pressure delivery hose, 1/4" coupler & nipple, follower plate and drum cover.
Pail not included.

BK **815-1056**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PORTABLE PROFESSIONAL GREASE PACKAGE FOR 35 LB. PAIL

Includes PM3 55:1 grease pump package with carry handle, grease control gun with Z-swivel and hydraulic coupler, 1/4" piggy back F/R w/ gauge, 1/4" x 10' high pressure delivery hose, 1/4" coupler & nipple, follower plate and drum cover.
Pail not included.

BK **817-1132**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

PM35 60:1 120 LB GREASE PUMP PACKAGE FOR LUBE TRUCKS

High pressure HD grease pump with simple air motor design that uses less air and minimizes repairs. Barrel, piston and foot valve are made of hardened precision steel for long life and exceptional performance. Complete 120 lb. grease package used for service vehicles. Consists of PM35 60:1 Grease pump, drum cover, follower plate connecting hose kit, bung converter and hold down kit

- Simple air motor design eliminates pump stalling
- Hold Down Kit assures mounting stability of the grease keg in the truck or service vehicle
- Air motor has three moving parts which prolongs pump life and simplifies air motor repair

BKN **SAM333LT**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

PM35 60:1 400 LB GREASE PUMP PACKAGE FOR LUBE TRUCKS

High pressure HD grease pump with simple air motor design that uses less air and minimizes repairs. Barrel, piston and foot valve are made of hardened precision steel for long life and exceptional performance. Complete 400 lb. grease package used for service vehicles. Consists of PM35 60:1 Grease pump, drum cover, follower plate connecting hose kit, bung converter and hold down kit

- Simple air motor design eliminates pump stalling
- Hold Down Kit assures mounting stability of the grease keg in the truck or service vehicle
- Air motor has three moving parts which prolongs pump life and simplifies air motor repair

BKN **SAM335LT**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

120 LB. KEG ECONOMY PORTABLE GREASE PACKAGE

For use with 120 lb. kegs. Includes PM3 55:1 pump, two-wheel dolly, grease control gun with rigid pipe & hydraulic coupler, 1/4" piggy back F/R w/gauge, high pressure delivery hose (1/4" x 5'), straight swivel, follower plate, and drum cover.
NOTE: Keg not included.

BK **815-1057**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

PORTABLE PROFESSIONAL GREASE PACKAGE FOR 120 LB. KEG

Includes PM3 55:1 grease pump with air line coupler and nipple, 1/4" piggy back F/R w/gauge, four wheel band dolly, heavy duty pail cover, follower plate, 1/4" x 7' high pressure delivery hose, z-swivel, grease control gun with rigid pipe and a hydraulic coupler.
Keg not included.

BK **817-1133**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

PROFESSIONAL HEAVY-DUTY PORTABLE GREASE PUMP SYSTEM FOR 120 LB. KEG

Includes PM35 60:1 grease pump, drum cover, follower plate, 1/4" x 7' high pressure grease hose, high pressure grease control gun with rigid pipe and hydraulic coupler, z-swivel, 1/4" piggy back F/R w/gauge, coupler and nipple, and four-wheel band dolly

BK **395-1918**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HAND-OPERATED GREASE PUMP FOR 35 LB. PAIL

Heavy-duty hand operated, high pressure (5,000 psi) grease pump unit. Fits 35 lb pail and includes pump, pail cover, follower plate, 5' hose, and carry handle.

BK **815-1051**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

STATIONARY OIL PUMPS

All Balkamp stationary oil pumps from Samson include a combination filter regulator with automatic drain.

PM2 3:1 STUB PUMP PACKAGE

Includes PM2 3:1 pump with 2" bung adapter, 1/4" x 5' air hose, 3/4" x 5' fluid hose, 1/4" piggy back F/R w/gauge , 1/2" air shut-off ball valve.

BK **813-5159**

3:1 Samson PM2 pumps are designed for dispensing lubricants approximately 200 ft. to two reels running simultaneously.

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SAMSON

PM4 5:1 STUB PUMP PACKAGE

Includes PM4 5:1 pump with 2" bung adapter, 3/8" x 5' air hose, 3/8" x 5' fluid hose, 3/8" piggy back F/R w/gauge , 1/2" air shut-off ball valve.

BK **395-1920**

5:1 Samson PM4 pumps are designed for dispensing lubricants approximately 400 ft. to four reels running simultaneously.

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PM2 - 3:1 PUMP HOSE REEL AND METER PACKAGE

PM2 3:1 drum-length pump, hose connection kit, 1/2" x 50' hose reel, filter/regulator/gauge with auto-drain, and digital meter with rigid outlet.

BK **395-1005**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3:1 PORTABLE AIR-OPERATED PUMP SYSTEM FOR GEAR LUBE WITH FILTER/REGULATOR

Air-operated fluid pump system for gear lube for use in 16-gallon open top keg. Includes PM2 3:1 air pump, keg cover, dolly, air regulator/filter with auto drain, 7' fluid delivery hose, and digital metered control handle.

BK **809-1025**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3:1 PORTABLE AIR-OPERATED FLUID PUMP SYSTEM FOR OIL & AUTOMATIC TRANSMISSION FLUID W/ FILTER/REGULATOR

For use in 16-gallon open top keg. Includes PM2 3:1 air pump, keg cover, dolly, air regulator/filter with auto drain, 7' fluid delivery hose, and digital metered control handle.

BK **395-1913**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OIL STUB PUMPS

PM2 1:1 OIL STUB PUMP

Includes 2" bung bushing adapter. Fluid inlet: 1" NPT(F), outlet: 3/4" NPT (F). Air inlet 1/4" NPT (F). Used for fluid transfer of lubricants where high flow rates are desired. Perfect for short distance fluid transfer.

BK **813-5160**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PM2 3:1 OIL STUB PUMP FOR SYSTEMS

Includes 2" bung adapter. Fluid inlet: 3/4" NPT (F), outlet: 3/4" NPT (F). Air inlet: 1/4" NPT (F). Used for pumping lubricants in a system. Perfect for small shops.

BK **813-5158**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PM4 5:1 OIL STUB PUMP FOR SYSTEMS

Includes 2" bung adapter. Fluid inlet: 1" NPT (F), outlet: 3/4" NPT (F). Air inlet: 3/8" NPT (F). Used for pumping lubricants in a system with simultaneous dispensing. Perfect for larger shops.

BK **813-5163**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OIL PUMP ACCESSORIES

SUCTION TUBES

Item No.	Description
For PM2 1:1 Stub Pump (Fits *BK* 813-5160)	
BK **809-1032**	55 Gallon, Drum Length
For PM2 3:1 Stub Pump (fits *BK* 813-5158 and *BK* 813-5159)	
BK **809-1033**	55 Gallon, Drum Length
BK **809-1028**	275 Gallon, Tank Length
For PM4 5:1 Stub Pump (fits *BK* 813-5163 and *BK* 395-1920)	
BK **809-1034**	55 Gallon, Drum Length

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

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Gear Lube Pumps & Bulk Fluid Dispensing Package

STUB PUMP BUNG BUSHING
For use with oil stub pumps.
Thread connection: 2" male.
BK **825-5044**

HAND-OPERATED PUMP SYSTEMS

SAMSON

HAND-OPERATED METERED GEAR LUBE SYSTEM
2:1 ratio hand-operated metered gear lube system for use in open top 16-gallon keg. Includes hand pump, meter, keg cover, 5' hose, spout, and band dolly.
Keg not included.

BK **817-1131**
⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

HAND-OPERATED NON-METERED GEAR LUBE SYSTEM
2:1 ratio hand operated non-metered gear lube system for use in open top 16 gallon keg. Includes hand pump, keg cover, 5' hose, spout, and band dolly.
Keg not included.

BK **817-1130**
⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BULK FLUID DISPENSING PACKAGES

Many auto and heavy-duty fleet repair locations are buying their lubricants in bulk to help lower costs. The CUBET System from Samson gives you everything you need to be in the bulk lubricant business in one package. All you need is air to operate pump and fluid to put in tank.

SAMSON

BULK FLUID DISPENSING PACKAGE
Bulk fluid dispensing package includes: 230 gallon (880 liter) CUBET, 3:1 ratio air-operated fluid pump with ½" x 30' MP hose reel, connecting hose, quick air coupler and nipple, with mounting plate, electronic-metered control handle cage and platform base with 4" legs. It can easily be moved by a forklift. Shipped completely assembled.
Also available in 140 and 330 gallon configurations and dual containment versions. Small footprint. Poly tank does not rust. Can always see fluid level.

BK **395-1916**
⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

TANKLESS EQUIPMENT PACKAGE
PM2 3:1 designed pump offers low noise, less moving parts and low air consumption. Dual packing seals provide longer life. "Tankless" Lube Equipment package with pump, reel and electronic meter for pumping, dispensing and metering lubricants used in a wide range of service facilities.

- Dispenses in pints, quarts, gallons and liters
- 30' Reel 506 Series aluminum hose reel is lightweight, yet durable
- Metered handle uses AAA batteries which are easy to find and replace
- Fatigue resistant spring offers long life and even load when pulling or retracting. Hub rolls on permanently lubricated bearings leading to longer life
- Precision-machined measuring chamber offers extremely accurate measurement, HD ball bearing swivel with large filter to keep out contaminants

BKN **SAM900340**
⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SAMSON

TANKLESS EQUIPMENT PACKAGE

PM2 3:1 designed pump offers low noise, less moving parts and low air consumption. Dual packing seals provide longer life. "Tankless" Lube Equipment package with pump, reel and electronic meter for pumping, dispensing and metering lubricants used in a wide range of service facilities.

- Dispenses in pints, quarts, gallons and liters
- Full fluid porting assures unrestricted fluid flow
- 1400 Series dual arm steel reels can be used in the harshest of environments due to structural integrity
- Metered handle uses AAA batteries which are easy to find and replace
- Precision-machined measuring chamber offers extremely accurate measurement, HD ball bearing swivel with large filter to keep out contaminants

BKN **SAM900341** 40' Reel

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SAMSON

1:1 DIAPHRAGM PUMP PACKAGE – 1 IN.

Includes 1" aluminum diaphragm pump with 1" inlet and outlet. General purpose pump designed for use with heavier fluids at faster flow rates. Includes 3/8" piggy back F/R w/gauge, 3/8" x 5' LP hose, 1" x 5' MP hose, 1/2" shut-off valve, includes wall mount bracket.

BK **395-1900**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

1:1 DIAPHRAGM PUMP PACKAGE – 1/2 IN.

Includes Samson's DF50 1/2" Poly diaphragm pump with 1/2" inlet and outlet. General purpose pump designed for use with water-based fluids and general lubricants. Includes 1/4" piggy back F/R w/gauge, 1/4" x 5' LP hose, 1/2" x 5' MP hose, 1/2" shut-off valve, includes wall mount bracket.

BK **395-1921**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

DIRECTFLO 1/2 IN. ALUMINUM DIAPHRAGM PUMP

Samson's DF50 1/2" aluminum diaphragm pump with 1/2" inlet and outlet. Frictionless pivoting air valve offers longer life, quieter operation and durability. Unique "inside out" design diaphragm pumps where the fluid is pumped through the center with air acting on the outside. Perfect for used oil, lubricants in a wide range of market applications.

- Durable
- Direct flow design offers smooth flow, less air consumption, reduced vibration and minimal noise
- More compact design than traditional diaphragm pumps, takes up less space and offers easier installation

BKN **SAM552030**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SAMSON

DIRECTFLO 1 IN. ALUMINUM DIAPHRAGM PUMP

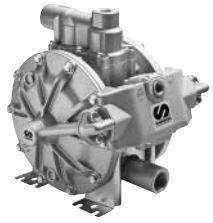
Samson's DF100 1" aluminum diaphragm pump with 1" inlet and outlet. Frictionless pivoting air valve offers longer life, quieter operation and durability. Unique "inside out" design diaphragm pumps where the fluid is pumped through the center with air acting on the outside. Perfect for used oil, lubricants in a wide range of market applications.

- Direct flow design offers smooth flow, less air consumption, reduced vibration and minimal noise
- More compact design than traditional diaphragm pumps, takes up less space and offers easier installation.

BKN **SAM551030**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SAMSON



DP200 1 IN. ALUMINUM DIAPHRAGM PUMP

Frictionless pivoting air valve offers longer life, quieter operation and durability.

- Orientable ports offer increased install flexibility
- High Flow "hybrid" diaphragm pump for transfer of lubricants, diesel, used oils
- One piece fluid section guarantees no fluid leakage and optimized flow path design minimizes pulsation
- Self-priming

BKN **SAM555030**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

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Diaphragm Pumps & Drum Dollies

SAMSON

DP200 1 IN. POLYPROPYLENE DIAPHRAGM PUMP

Frictionless pivoting air valve offers longer life, quieter operation and durability.

- Orientable ports offer increased install flexibility
- High Flow "hybrid" diaphragm pump for transfer of antifreeze, windshield wash fluid and DEF
- One piece fluid suction guarantees no fluid leakage and optimized flow path design minimizes pulsation
- Self-priming

BKN **SAM555164**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SAMSON

TWO-WHEEL TROLLEY

For 35 lb. (5 Gal.) or 120 lb. (16 Gal.) drums.

BK **809-5222**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

X-FRAME FOUR-WHEEL DOLLY

For 400 lb. (55 Gal.) drum.

BK **395-1903**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

BK **825-1003**

BAND-TYPE DOLLIES

Item No.	Description
BK **825-1003**	For 120-pound, 16-gallon grease or oil kegs. Fits 12 7/8" to 15" kegs.
BK **825-1000**	For 35 lb. (5 Gal.) pail

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

NAPA

ROUND DRUM DOLLY

For 55-gallon drums. Heavy-duty type with wide, steel cross braces and hoop. Equipped with steel casters. Maximum load: 1,200 lbs. 23" Diameter.

BK **821-1038**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAMSON

HEAVY-DUTY THREE-WHEEL CART

For 400 lb. (55 Gal.) drum.

BK **395-1904**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

2:1 SPIGOT PUMP FOR 55-GALLON DRUM

2:1 long stroke pump (4") allows for one pump for lubricating fluids, including gear lube. Curved outlet pipe and non-drip spring loaded spigot valve. Built in shelf holds container and catches spills that drain back through filtered bushing into drum. Perfect for synthetic oil drums.

BK **395-1915**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

HEAVY-DUTY THREE-WHEEL CART

For 400 lb. (55 Gal.) drum with reel mounting bracket. Industrial grade. Pneumatic back tires. Heavy steel with powder coat paint.

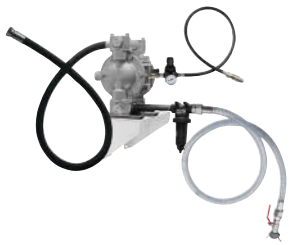
BK **395-1902**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

USED OIL EVACUATION SYSTEM

Includes 1" diaphragm pump, 1" basket filter, 10' suction hose, 5' fluid discharge hose, 2' air inlet hose, air filter regulator with auto drain, dry break couplings, and wall mount bracket. Hooks up to used oil drains to evacuate and push to used oil tank.



BK **823-1325**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

HEAVY-DUTY HAND-OPERATED GREASE PUMP

High-pressure (6,000 PSI) self-contained lever action grease pump. Oval-shaped 35 lb. steel container with foot rest. Includes 7' grease hose and hydraulic coupler. Adjustable pressure and volume.

BK **813-5164**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HOSE REELS

ALL SAMSON HOSE REELS INCLUDE A 2 FT. LONG INLET HOSE FOR EASILY CONNECTING REEL TO PIPING.

Delivery of compressed air, low and high pressure water, lubricants and grease in vehicle maintenance shops, field service units and lubrication trucks, mining, construction, general industry, agriculture, service stations, etc.

Features

- Brass forged shaft compatible with a wide range of fluids ensures corrosion free and leak proof operation
- Very robust reinforced all steel Heavy Duty construction with double pedestal arm design
- Special fatigue resistant steel spring for years of durable performance
- Epoxy powder coated for increased wear resistance
- Positionable outlet arms for an optimum operation in any mounting position: wall, ceiling, floor or tank
- Dual sealed ball bearings for smooth operation
- 6 Roller guide outlet prevents hose pinching and reduces friction

50 FT. X 3/8 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM AIR HOSE REEL

With 1/2" x 2' inlet hose.

BK **395-1906**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

50 FT. X 1/2 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM AIR HOSE REEL

With 1/2" x 2' inlet hose.

BK **395-1908**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

50 FT. X 1/2 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM OILS/ ATF HOSE REEL

With 1/2" x 2' inlet hose.

BK **395-1910**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Hose Reel Specifications

Item No.	Uses	Hose Length	Hose Inside Diameter	Hose End Fitting	Working Pressure (PSI)
BK **395-1906**	Air/Water/Water-Based Fluids	50 Ft.	3/8"	3/8" NPT (M)	300
BK **395-1908**	Air/Water/Water-Based Fluids	50 Ft.	1/2"	1/2" NPT (M)	300
BK **395-1910**	Oils, ATF	50 Ft.	1/2"	1/2" NPT (M)	2000

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

RETRACTABLE AIR/WATER HOSE REELS
Features circular hose guide with six roller outlet for smooth and easy operation. Can be latched at desired hose length, and guide arm can be mounted in three positions. Powder-coated aluminum base and arm assembly with corrosion-resistant, stainless steel fasteners. High-quality steel power spring for long life. For use with compressed air and low-pressure water. Inlet hose included.

50 FT. X 1/2 IN. RETRACTABLE AIR/WATER HOSE REEL

Hose Length: 50 ft. Outlet: 1/2" NPT (M). Inlet Hose: 1/2" NPT (M).

BK **823-1128**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

50 FT. X 3/8 IN. RETRACTABLE AIR/WATER HOSE REEL

Hose Length: 50 ft. Outlet: 3/8" NPT (M). Inlet Hose: 1/2" NPT (M).

BK **823-1127**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

50 FT. X 3/8 IN. ECONOMY AIR HOSE REEL

With 1/2" x 2' inlet hose.

For use only in light duty applications.

BK **823-1323**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Hose Reel Specifications

Type	Size (I.D. x L.)	Hose End Fitting	Working Pressure (PSI)	Item No.
Air/Water/Water-Based Fluids	3/8" x 50'	3/8" NPT (M)	300	*BK* **823-1127**
Air/Water/Water-Based Fluids	1/2" x 50'	1/2" NPT (M)	300	*BK* **823-1128**
Air/Water	1/4" X 50'	1/4" NPT (M)	300	*BK* **823-1323**

50 FT. X 1/2 IN. OIL HOSE REEL

Hose Size: 50 ft. x 1/2". Inlet Size: 1/2" NPT (M). Outlet: 1/2" NPT (M).

BK **823-1129**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

50 FT. X 3/8 IN. GREASE HOSE REEL

Hose Size: 50 ft. x 3/8" . Inlet Size: 3/8" NPT (M). Outlet: 1/4" NPT (M).

- Aluminum Base: Arms with composite spool
- Fatigue resistant steel spring
- Spool mounted on 2 permanently lubricated bearings for smooth retraction and long life
- 6 roller guide outlet

BK **823-1130**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Hose Reel Specifications

Type	Size (I.D. x L.)	Hose End Fitting	Working Pressure (PSI)	Item No.
Grease	3/8" x 50'	3/8" NPT (M)	5,000	*BK* **823-1130**
Oils, ATF, Gear Fluid, Hydraulic Oil	1/2" x 50'	1/2" NPT (M)	2,000	*BK* **823-1129**

SAMSON® MAKES CUSTOM HOSE REELS FOR ANY APPLICATION

- Aluminum or steel construction available
- Service all products – air, oil, ATF, grease, water, DEF, antifreeze, windshield wash
- Hose diameter from 1/4" to 1"
- 20' in length up to 100' depending on reel type, hose diameter and application
- Open reel or enclosed reel designs
- Multi reel banks can also be custom ordered

Contact your local NAPA AUTO PARTS Store or Sales Representative for more details

SAMSON

HOSE STOPS

All hose stops only fit fits 504, 507, 1400, & 506 series hose reels

Item No.	Description
BK **715-1556**	Hose stop for 1/4" hose
BK **715-1557**	Hose stop for 3/8" hose
BK **715-1558**	Hose stop for 1/2" hose

BK **715-1556**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIGITAL METERED CONTROL HANDLES

SAMSON

PRESET DIGITAL METERED FLUID CONTROL HANDLE

Electronic oval gear digital preset meter with 60º rigid outlet pipe, semi automatic nozzle and 1/2" NPTF screened inlet. Can be programmed to dispense in quarts, liters, pints, and gallons. A 5-digit LED shows accuracy to a hundredth of a gallon. Uses 4 replaceable AAA batteries. Pre-calibrated at the factory, it is also easily field-calibrated if necessary. Can handle engine oil, gear oils up to SAE 140, antifreeze solution and hydraulic fluids. Maximum working pressure: 1000 PSI. Maximum flow rate: 8 GPM. Preset up to 99.9 units. Not suitable for outdoor use.

BK **825-5039**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

DIGITAL METERED FLUID CONTROL HANDLE

Dispenses motor and gear oils, automatic transmission fluid, hydraulic fluid, antifreeze, or washer solvent. Includes meter, heavy-duty ball-bearing swivel inlet (1/2" F.). Can be programmed to dispense quarts, pints, liters or gallons. Totalizer can be reset. Powered by two AAA batteries. Comes with formable outlet and 1/4" manual turn tip.

BK **825-5038**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

HIGH FLOW DIGITAL METERED FLUID CONTROL HANDLE

- High flow electronic metered control valve
- Flexible outlet with semi-automatic non-drip tip
- 6.3 lbs.
- 5 Digit display - measures in pints, quarts, gallons or liters
- Flow rate up to 18 gallons (70 L) per minute
- Includes built-in measurement meter
- 1/2" NPT Thread size
- 1,450 PSI (100 bar) Recommended working pressure

BK **715-1668**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

ELECTRONIC PISTOL-GRIP DIGITAL METERED ATF/OIL CONTROL GUN

Ideal for dispensing motor and gear oil, automatic transmission fluid, and other lubricants. Manual no-drip nozzle dispenses in pints, quarts, gallons, or liters. Totalizes in gallons or liters. Features easy-to-read, digital display and read out in 0.01 increments for precise measurements. Powered by one lithium battery. Working Pressure: 150 PSI. Inlet Swivel: 1/2" NPT-F. Maximum Flow Rate: 4 GPM.

BK **715-1378**

MECHANICAL METERED CONTROL HANDLES

SAMSON

MECHANICAL METERED FLUID CONTROL HANDLE

- Heavy duty swivel with large screen filter
- No calibration required
- Includes hose end cover
- Includes formable outlet with manual 1/4 turn drip tip (*BK* **715-1671**)
- Flow rate of 8 gallons per minute
- Mechanical metered control valve accurately measures fluid delivery in quarts and totals in gallons
- 1,450 PSI Working pressure
- 1/2" NPT Thread size
- Manual operated

BK **715-1667**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

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Fluid Control Handles

MECHANICAL METERED PRESET OIL CONTROL HANDLE

Samson mechanical metered control valves are used at the end of the hose assembly for measured dispensing of lubricants and antifreeze solutions in tough, intensive use applications. The one piece polycarbonate based integral register housing and single molded pointer knob guarantee maximum integrity of the meter against drops and impacts and provide superb protection against humidity. The reset mechanism incorporates a safety clutch for preserving the preset mechanism in case the knob is turned in the wrong direction. Control valve is flange coupled to eliminate the use of adapters, and eliminates leaks. With its very tough metal construction, this meter is ideal for intensive use and outdoor applications.

- Reliable performance
- No calibration required
- Extensively and rigorously field tested
- High accuracy within a large viscosity range
- Simple and easy to read dial includes 5-digit totalizer
- Mechanical shut-off mechanism, high wear and stress resistant

BK **715-2790**

WARNING: This product can expose you to chemicals which are known to the State of California to cause Cancer and birth defects or other Reproductive harm. For more information go to www.P65Warnings.ca.gov.

LINCOLN

PRESET OIL CONTROL GUN

Ideal for dispensing motor oil and automatic transmission fluid. Shuts off automatically when correct amount has been dispensed. Just preset desired amount on the dial face, insert the nozzle into the filler port, and depress the trigger. Includes manual, non-drip nozzle and ½" FNPT inlet swivel. Totalizes in quarts, with 60-quart dial increments. Outlet, straight rigid extension. Rated at 1,000 PSI operating pressure. Max. flow rate: 4 GPM.

BK **715-1379** Oil Control Gun
BK **715-1389** Replacement Swivel

LINCOLN

MECHANICAL METERED PISTOL-GRIP OIL CONTROL GUN

Rugged control gun with balanced, pistol-grip design. Dispenses motor and gear oils, automatic transmission fluid, or antifreeze. Includes manual, no-drip nozzle and 14-inch flexible extension. Maximum Operating Pressure: 1,000 PSI. Dial Increments: 4-16 Qt. Inlet Swivel: ½" NPT-F.

BK **715-1376**

SAMSON

MANUAL NON-DRIP TIP

- Manual drip tip with ¼ turn on/off mechanism
- Brass construction
- ¼" BSPF Thread size

BK **715-1669**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SAMSON

FORMABLE OUTLET HOSE

- Hose can form to any angle for ease of fluid delivery. Includes ¼ turn manual drip tip.

BK **715-1671**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

DRUM LIQUID LEVEL INDICATOR

- An easy and cost effective means to check level of fluid remaining in a 55 gal. drum / tank
- Fits on the small 3/4" hole on drums leaving the 2" opening free for installing pumps
- Planetary gear mechanism float connected with a string moves down as the liquid level goes down in the drum
- Float is partially filled with water and changing the amount of water allows for the same unit to be used with liquids of different viscosities
- Commonly used on oil & fuel drums, the float has a polyethylene construction which allows it to be used with a wide range of liquids including water, coolants etc.

BK **715-5284**

GREASE SCOOP & SWIPE TOOL

- Designed for mess-free working while handling bulk grease
- Helps to reduce the risk of contamination
- Grease Swipe cleans the scoop on both sides
- Easily load bulk grease into containers:
  - Use the Scooper to draw sizable amount of grease from the bucket
  - Use the swipe to clean the Scoop from inside
  - Use the swipe to clean the Scoop from outside

BK **715-5286**

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2 IN. DRUM FAUCET

- Designed for convenient dispensing of media under gravity flow with the drum laid horizontally
- For use with 2" threaded openings on 55 gal. drums
- Can be pad locked
- Includes threaded hole for installing sight gage for determining fluid level in the drum
- Included bucket hanger

BK **715-5285**

WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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SAMSON

HAND-OPERATED BEARING PACKER

Heavy-duty hand-operated bearing packer fits 35 lb. pail or 120 lb. keg. Includes pump, cover, bearing packer, dust cap and follower plate.

BK **395-1912** For 35 Lb. Pail
BK **823-1324** For 120 Lb. Keg

BK **395-1912**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LEVER-ACTION BUCKET PUMP

For fast, clean transfer of transmission and differential oils. Can also be used for heavier lubricants, and eliminates waste while transferring. Simply remove lid from original container and replace it with dispenser. Fits most 25 and 50 lb. containers equipped with removable covers. Includes 18" pump, sleeves, handle with cover, and 4' hose assembly. 1 quart per 12 strokes. For 5 gal. pails.

BK **715-1278**

GREASE GUN FILLER PUMP

For bulk loading grease guns equipped with 0.335" dia. filler nipple. Keeps grease clean and free of contamination. Fits standard 5 gal./35 lb. pail and includes follower plate. Delivers 16 oz. per 6 strokes.

BK **715-1276**

DOUBLE DIAPHRAGM FUEL TRANSFER PUMP

- For gasoline, diesel fuel, fuel oil, motor oil and other petroleum products
- Discharge up to 1 gallon per 5 strokes
- Stainless steel piston: fuel resistant hi-nitrile rubber diaphragm
- 2" Die cast bung adapter
- Complete telescopic suction tube and non-return valve
- For use with 15-55 gallon drums

BK **821-1172**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

QUART STROKE PUMP

- For use with gear lube oil, diesel and kerosene, petroleum-based media
- Economical way to dispense exact quantity of media per stroke
- 2" Built-in bung adapter
- Works on a precision rack pinion mechanism
- For use with 15-55 gallon drums
- Spring loaded drain back lockable handle and lock nut for positioning pump outlet in any direction

BK **821-5461**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NYLON DRUM PUMP

- Self-priming vertical lift pump designed for use with laquer thinners, urea, AdBlue, DEF
- 2" Polypropylene bung adapter
- Nylon construction with stainless steel plunger rod: PTFE seals
- Use with 55 gallon drums

BK **809-5062**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

POLYPROPYLENE DRUM PUMP

- Self-priming vertical pump designed for use with anti-freeze, detergents, etc.
- Polypropylene construction with steel plunger rod: viton seals
- 2" Polypropylene bung adapter for use with 55 gallon drums

BK **809-5061**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HAND ROTARY PUMP

- For use with diesel, kerosene, heating oils, motor oils, lubricating oils
- Dual directional operation - pump with both empty and refill containers
- Comes complete with suction tube, 2" cast iron bung nut and discharge spout
- For use with 15-55 gallon drums

BK **807-5210**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STANDARD TRANSFER PUMP

Self-adjusting, telescopic suction tube fits all drums. Floating check valve allows liquids to drain from pump when not in use. Dual threads to fit 1½" and 2" NPT bung openings. Removable spout unscrews and thread accepts garden hose. Delivers 13 oz. per stroke.

BK **811-1121**

INDEX

Transfer Pumps

VERTICAL LIFT PUMP

- Self-priming high volume vertical lift pump for use with petroleum-based media
- Steel construction with aluminum die cast head, steel plunger and PTFE seals
- Piston is made with zinc with wear-resistant brass piston rings
- 2" Cast iron bung adapters

BK **807-3003**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

STAINLESS STEEL DRUM PUMPS

- Self-priming vertical lift pump with exceptional chemical resistance
- Pump body made of 316 stainless steel
- PTFE piston makes it suitable for use with wide variety of media
- Pump includes a 2" bung adapter with dual threads for use with metal and plastic drums
- In-built lock nut for attaching grounding wires
- Flow control tube can be inserted into lift handle to restrict the flow rate
- Recommended for use with Photographic chemicals / Solvents, Diesel, Kerosene, Thinners, Acetone, Benzene, Naptha, Urea, DEF, Adblue, Light oil (up to SAE 40) etc.

BK **715-5280** For use on 55 gallon drums
BK **715-5281** For use on 5 gallon pails

POLYPROPYLENE & STAINLESS STEEL LEVER DRUM PUMP

- Lever Action Drum Pump designed for use with a fluids of varying viscosities
- Polypropylene body, handle and outlet spout
- Stainless Steel piston and Viton seals
- Strainer built into suction tube inlet to keep contaminants away
- Recommended for use with Petroleum-based non-corrosive liquids, Fuels: Gasoline, Diesel, Kerosene Light oils, Low viscosity lubricants, Acetone, Anti-freeze, Ammonium Hydroxide, Glycerin, Alcohols, Water, Water based chemicals, Weaker acids, Mild solvents and Alkaline solutions
- For use on 16-55 Gallon Drums

BK **715-5279**

WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

BRASS TRANSFER PUMP

- Portable hand pump for clean, quick, hassle free transferring or evacuating of a wide variety of media
- Non corroding premium brass construction & hand removable NBR caps
- Small and lightweight, these fit easily in a tool box or the trunk of a car
- Self-priming and fully serviceable with no threaded parts
- Design to use for: Draining out oil from crank case or ATF through dipstick hole; from under the hood & not under the car, cleaning sludge accumulation from oil filter case, removing water from radiator to add antifreeze or to service thermostat or pump, draining stopped sinks, transferring fluids from one container to another, without lifting and pumping water out of small boats

BK **715-5283**

WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

OIL TRANSFER GUN

- Easy and safe answer to fluid transfer, especially useful in transferring media unsafe for body contact
- Dual Action: Draws in & pumps out liquid in a single stroke
- Rugged aluminum die cast head
- Steel barrel in premium powder coated finish with heavy duty rubber plunger
- 'V' type drop-resistant plunger handle
- Recommended for use with Fuel Oils, Mineral Oils, Synthetic & Biological Oils, Cooling Liquids & Spirits

BK **715-5276**

WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

PUMP SELECTOR

Item No.	Fits Container Size	Motor Oil	Gear Lube	Grease	Hyd. Oil. ATF	Anti-Freeze	Washer Fluid	Gasoline Fluid	Fuel Oil	Detergent	Paint Thinner	Diesel Fuel
BK **395-1900**	16/55/275 Gal.	X	X		X	X	X		X	*	*	
BK **395-1912**	35 lb.			X								
BK **395-1913**	16 Gal.	X	X		X							
BK **395-1915**	55 Gal.	X	X		X							
BK **395-1917**	120 lb.			X								
BK **395-1918**	120 lb.			X								
BK **395-1919**	400 lb.			X								
BK **395-1920**	16/55/275 Gal.	X	X		X							
BK **395-1921**	N/A	X	X		X	X	X		X	*	*	
BK **809-1023**	400 lb.			X								
BK **809-1024**	400 lb.			X								
BK **809-1025**	16 Gal.	X	X		X							
BK **813-5158**	16/55/275 Gal.	X	X		X							
BK **813-5159**	16/55/275 Gal.	X	X		X							
BK **813-5160**	16/55/275 Gal.	X	X		X				X			
BK **813-5161**	120 lb.			X								
BK **813-5162**	400 lb.			X								
BK **813-5163**	16/55/275 Gal.	X	X		X							
BK **813-5164**	4½ Gal.			X								
BK **815-1051**	35 lb.			X								
BK **815-1056**	35 lb.			X								
BK **815-1057**	120 lb.			X								
BK **817-1130**	16 Gal.	X	X		X							
BK **817-1131**	16 Gal.	X	X		X							
BK **817-1132**	35 lb.			X								
BK **817-1133**	120 lb.			X								
BK **817-1134**	120 lb.			X								
BK **817-1135**	120 lb.			X								
BK **823-1324**	120 lb.			X								
BK **823-1325**	N/A	X										
BK **715-1276**	35 lb. Pail			X								
BK **715-1278**	5 Gal.	X			X				X			
BK **811-1121**	15-55 Gal.	X	X		X				X	X		X
BK **807-3003**	15-55 Gal.	X			X	X					X	X
BK **807-5210**	15-55 Gal.	X			X				X			X
BK **809-5061**	55 Gal.					X	X			X		
BK **809-5062**	55 Gal.					X	X			X	X	
BK **821-1172**	15-55 Gal.	X						X	X			X
BK **821-5461**	15-55 Gal.	X	X		X							X

**** Paint Thinner and Detergent are generic terms, provide MSDS to factory to confirm compatibility.***

⚠ **WARNING: (*BK* 395-1900 - *BK* 823-1325) This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 807-3003 - *BK* 821-5461) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Crankcase Fillers & Oilers

OIL CAN FLOW CONTROL CRANKCASE FILLERS

Flexible spout type. Has special non-spill top and side and top handles for easy use. Roll Lip Seal. Top handles on 5 qt. only.

Part No.	Description
BK **720-1116**	2 qt.
BK **720-1117**	4 qt.
BK **720-1123**	5 qt.

FLOW CONTROL CRANKCASE FILLER

Extra long spout for hard to reach places. Non-spill top. One hand operated flow control valve that locks open. Top and side handles. Clear drain recessed bottom. Marked with quart and liter measurements. Black enamel finish.

BK **720-1308**

FLEXIBLE-SPOUT PISTOL-GRIP OILER

6" Flex spout: 30°.
Capacity: 6 fl. oz. (180 mL).

BK **720-1016**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIGID-SPOUT PISTOL-GRIP OILER

6" Rigid spout: 30°.
Capacity: 16 fl. oz./1 pt. (480 mL).

BK **720-1013**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIGID-SPOUT PISTOL-GRIP OILER

6" Rigid spout: 30°.
Capacity: 6 fl. oz. (180 mL).

BK **720-1011**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIGID-SPOUT PISTOL-GRIP OILER

6" Rigid, 30° spout with wall hanger.
Capacity: 6 fl. oz. (180 mL).

BK **720-1010**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIGID-SPOUT HAND OILER

9" Vertical rigid spout.
Capacity: 16 fl. oz./1 pt. (480 mL).

BK **720-1020**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIGID-SPOUT HAND OILER

9" Rigid spout: 30°.
Capacity: 16 fl. oz./1 pt. (480 mL).

BK **720-1018**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

FLEXIBLE-SPOUT HAND OILER

9" Flex spout: 30°.
Capacity: 16 fl. oz./1 pt. (480 mL).

BK **720-1028**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIGID-SPOUT HAND OILER

Full-drawn steel, epoxy finished body. Spout has ledge-cone machined tips to lift oil filler dust caps.
6" Rigid Spout: 30°. Capacity: 32 oz.

BK **720-1009**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

FLEXIBLE-SPOUT PUMP OILER

Thumb-operated pump dispenser with 9" flexible spout and black epoxy finish.
Capacity: 32 oz.

BK **720-1029**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

DELUXE SIPHON PUMP

All-purpose pump has unlimited uses around the home, farm, or construction site. Durable, heavy-duty polyethylene plastic construction. Length: 6½ feet.

BK **731-1031**

⚠ **WARNING: This product can expose you to chemicals including DEHP, which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PRECISION POCKET OILER

- Precision Oiler designed to lubricate the smallest, narrowest and hardest to reach places
- Manufactured from solid aluminum with a steel needle
- Precisely formed threads and rubber seals for leak-proof connections
- Integrated pocket clip and protective screw-on cap for conveniently carrying it in the pocket/work apron without fear of leakage
- No mess, no leakage, no spillage
- Can be used safely even with very low viscosity oils
- Needle Point Tip allows for precise insertion of oil in confined areas

BK **715-5278**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SET OF 4 SQUEEZE BOTTLE OIL CANS

- Unbreakable, light-weight and corrosion-resistant squeeze oil cans designed for spot lubrication
- Polyethylene construction
- Manufactured in translucent white material to give a clear view of media
- Both ml & oz. graduations marked on bottles
- Easy to open, clean and can be filled repeatedly
- Oil discharge is through the "squeeze action" of the oil can bottle
- Complete with a bent spout that is attached to the cap
- Recommended for use with water, water-based media, alcohol, soaps, plant nutrient solution, light and heavy oils
- Comes with 4 oz., 8 oz., 16 oz. and 32 oz. bottles

BK **715-5282**

⚠ **WARNING: This product can expose you to Lead & Phthalates which are known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

2 QT. MEASURING FUNNEL

- Funnel with graduations that can be used for transferring measured quantity of fluid without any spills or splash
- Graduated in US quarts & litres
- Heavy-duty polyethylene construction
- Built in metal sieve ensures a contaminant free transfer
- Simple press of lever dispenses media, releasing the lever stops outflow
- Recommended for use with Diesel, Gasoline, Kerosene, Oils etc.

BK **715-5277**

SAMSON

EVACMASTER WITH PEDESTAL MOUNT

Single point waste fluid suction unit is designed to collect used fluid from a vehicle using one of the included dipstick suction wands or by connecting directly to the dipstick tube on some vehicles. The unit is installed alongside the service bay. EvacMaster utilizes an internal, air-operated piston pump specially designed for suction applications. The used fluid is extracted from the vehicle and transferred directly to the shop's waste fluid tank. EvacMaster includes 6.5' evacuation hose length, creating a totally closed-loop system. No contact with the oil reduces environmental concerns, drain-plug incident claims and accidents due to burns or falls. Note: For fast and efficient suction of waste fluid, oil must be warm (70° F or above). Do not use with brake fluids, fuel, or any flammable or corrosive fluids.

BK **395-1002**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

27-GAL. PORTABLE EVACMASTER DIPSTICK EVACUATION UNIT WITH GRAVITY DRAIN

Includes gravity option for draining oil. A telescoping 17" steel bowl with extension allows conventional draining of oil through a drain plug. Drain can be pressurized for evacuation into the shop tank. Unit includes a pressure gauge and timer to easily manage application. Note: for fast and efficient suction of waste oil, the oil must be warm (70° F or above). Do not use with brake fluid, fuel, or any flammable or corrosive fluids.

BK **395-1004**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

27-GAL. PORTABLE EVACMASTER DIPSTICK EVACUATION UNIT

Portable version of the single point used fluid suction unit is designed to collect used fluid from a vehicle using one of the included dipstick suction wands or by connecting directly to the dipstick tube on some vehicles. The unit has two fixed large wheels with roller bearings and two heavy-duty casters. The used fluid is extracted from the vehicle and pumped into the 27-gallon tank on board. This tank can be evacuated using pressurization into the shop's used fluid tank. Includes 6.5' evacuation hose.

BK **395-1003**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

INDEX

Fluid Evacuation

SAMSON

18 GAL. WASTE OIL SUCTION-DIPSTICK EVACUATOR

Heavy-duty 18 gallon portable oil suction unit – steel powder coat painted container offers significant durability and integrity. Portable unit with air-operated vacuum pump used to collect oil directly from vehicle engine using a suction wand inserted into the dipstick tube. This eliminates operator contact with used oil, no spillage and no chance of stripping the drain plug.

- Not necessary to get under vehicle
- Includes 10 gallon transparent collection chamber
- No need for a vehicle lift, as you can do an oil change basically anywhere
- You can visually inspect for contaminants, see how dirty the oil is and see how much fluid was taken from the vehicle

BKN **SAM3731**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

SAMSON

27-GAL. COMBINATION USED FLUID DRAIN AND DIPSTICK EVACUATION

Unit includes three piece plastic accessory kit: a tool tray on top of the tank, fender skirt on the bottom of the tank, and a drain bowl extension with a filter drain/anti-splash screen. The unit has two roller bearing supported fixed wheels and heavy-duty casters; includes air operated vacuum pump for sucking oil through dipstick. 27-gallon capacity. Ideal for use with all types of passenger cars, small trucks, boats, motorcycles, etc.

BK **395-1001**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

JohnDow Industries

FLUID EVACUATOR

Extract used oil or other fluids from any vehicle with this vacuum-extraction system. Great for use on cars, boats, motorcycles, and small engines. Vacuum charged unit is completely portable and easy to use. Includes six suction probes (metal and flexible plastic with storage tube) equipped with quick-disconnect couplers for fluid extraction from dipstick and/or other opening. Also features easy-to-read vacuum gauge, 7" wheels for easy handling, and sight tube for viewing fluid level. Adapters for BMW, Mercedes, and VW are also included. Self-evacuating features make emptying clean and easy. Steel tanks: 20-gallon fluid capacity. Evacuation hose: 10'.

BK **395-2122**

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

JohnDow Industries

PORTABLE SELF-EVACUATING OIL DRAIN WITH AIR REGULATOR

This economical self-evacuating oil drain is designed for the smaller shop and contains the same quality and workmanship incorporated into all John Dow oil drain products.

- Auto-Check technology for easy and automatic drain evacuation
- 16 in. diameter funnel
- Fixed air regulator for safe evacuation
- Oil and chemical resistant 3 in. casters for longer life

Specifications

Fluid Capacity ..... 18 Gallons
Max. Height Adjustment ..... 59 in.
Min. Height Adjustment ..... 36.5 in.

BK **823-1052**

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

JohnDow Industries

AIR-OPERATED 15-GAL. FLUID DISPENSER

Air-pressurized dispenser eliminates the need for air or hand pumps. Great for use with oil, ATF, gear oil, and other fluids. Completely portable—use it either inside or outside the service bay. Air regulator and safety relief valve ensure proper pressurization. 2" Spout with cap for easy filling, and sight tube for viewing fluid level. Also features heavy-duty, 3" casters and 7" rear fixed wheels. Includes 6.5' hose with dispensing gun. Can also be used with meter gun for accurate measurement. Steel tank capacity: 15-gallons.

BK **395-2123**

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SAMSON

18-GAL. COMBINATION USED OIL SUCTION AND GRAVITY DRAIN

Portable 18-gallon pressurized evacuation unit removes used oil. Complete with fill gauge, vacuum gauge, suction wands and connector kit. Combination used oil suction and gravity drain unit. Includes fill level sight gauge. Discharge is carried out through 6.5' discharge hose pressurizing the unit at 7 PSI.

BK **395-1000**

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

JohnDow Industries

27-GAL. DELUXE SELF-EVACUATING POLY OIL DRAIN

16" deep-drawn, centered funnel with expanded metal screen. Positive height adjustment from 45" to 70". Lightweight and virtually indestructible. Molded pockets for cap-style filter wrenches. Molded-in tool trays for convenient tool storage. Self-evacuating using shop air.

BK **811-4012**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

ADJUSTABLE PEDESTAL OIL DRAIN STATION

18-Gallon tank includes a preset air regulator that allows the use of standard shop air up to 150 PSI. Volume level sight tube indicates fluid level in reservoir. Wire re-enforced dispense hose with J-hook nozzle. The unit maneuvers on two 3" ball-bearing swivel casters and two 6" fixed-axle wheels. Designed as an affordable option for used fluid collection. Features all steel construction and a 14" diameter funnel. Height-adjustable telescoping bowl. Screen prevents debris from entering reservoir. Standard shop air connection fitting. Safety relief valve prevents over-pressurization. Large 14" 2.5-gallon bowl accepts standard shop air up to 150 PSI. Preassembled casters, reinforced caster supports. Telescoping bowl, fully serviceable. All steel design includes reinforced caster supports for durability and dependability.

Specifications

Fluid Capacity: ..... 18 Gallons
Maximum Height Adjustment:..... 72"
Minimum Height Adjustment: ..... 45"

BK **815-1266**

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

SELF-EVACUATING 25-GAL. PORTABLE OIL DRAIN

Easily and quickly empties with regular shop air. Poly-molded tool tray for convenient tool storage. Heavy-duty, 4" casters for stability and mobility. Positive-height adjustment (from 50"–70") makes funnel easy to position. Quick-disconnect, 6' discharge hose. Sight tube shows fluid level in large, 25-gallon capacity steel tank. Also features steel, 16" diameter funnel with expanded metal screen, and safety-relief valve.

BK **395-2120**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

25-GAL. USED FLUID DRAIN STATION

15" diameter drain bowl with removable filter screen and 24" wide-mouth funnel extension. Convenient tool tray for storing vital tools and drain plugs, tank-mounted clip and handle hook to secure discharge hose. Combination air chuck/ pressure relief valve. 7' Long nylon-reinforced discharge hose with steel J-hook and tethered drip plug. Built-in fluid level sight gauge. Funnel height adjusts from 51" to 76" not including the extension. 25-Gallon welded steel tank supported by heavy-duty 4" swivel casters and 6" fixed-axle wheels. Standard shop air connection fitting. Preset pressure regulator reduces inlet pressure. Wire reinforced dispense hose with J-hook nozzle. Volume level sight tube indicates fluid level in reservoir. Height-adjustable telescoping bowl. Safety relief valve prevents over-pressurization. Screen prevents debris from entering reservoir.

Specifications

Fluid Capacity: ..... 25 Gallons
Maximum Height Adjustment:..... 76"
Minimum Height Adjustment: ..... 51"
Portable:..... Yes

BK **815-1267**

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

25-GAL. USED FLUID EVACUATION STATION

25-Gallon welded steel tank supported by heavy-duty 4" swivel casters and 6" fixed-axle wheels. Powerful compressed-air-operated venturi vacuum quickly draws fluids from reservoirs. Includes six evacuation wands of varying flexibility, diameter and length. Built-in fluid level sight gauge. Combination air chuck/ pressure relief valve. Includes 7' discharge hose with steel J-hook and tethered drip plug, 6.5' wire-reinforced evacuation hose with shut-off valve and tethered drip plug. Also includes 5 & 6 mm OD rigid and 4.8, 6, 7 & 8 mm OD flexible wands. Pressurized self-evacuation feature requires only shop-air and a tire chuck to discharge fluids. Convenient tool tray for storing vital tools and drain plugs. Tank-mounted clip and handle hook to secure discharge hose and evacuation hose. Standard shop air connection fitting. Preset pressure regulator reduces inlet pressure. Wire reinforced dispense hose with J-hook nozzle. Volume level sight tube indicates fluid level in reservoir. Height-adjustable telescoping bowl. Safety relief valve prevents over-pressurization. Screen prevents debris from entering reservoir.

BK **815-1268**

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Fluid Evacuation

LINCOLN

25-GAL. COMBINATION DRAIN/ EVACUATION STATION

Includes dipstick tube adapters, and six evacuation wands of varying flexibility. Powerful compressed-air operated venturi vacuum quickly draws fluids from reservoirs. Combination air chuck/pressure relief valve. 25-Gallon welded steel tank supported by heavy-duty 4" swivel casters and 6" fixed-axle wheels. Includes 7' discharge hose with steel J-hook and tethered drip plug, 6.5' wire-reinforced evacuation hose with shut-off valve and tethered drip plug, 5 & 6 mm OD rigid, 4.8, 6, 7, 8 mm OD flexible wands. Built-in fluid level sight gauge. Powerful compressed-air operated venturi vacuum quickly draws fluids from reservoirs. Convenient tool tray for storing vital tools and drain plugs, also includes tank-mounted clip and handle hook to secure discharge and evacuation hoses. Standard shop air connection fitting. Preset pressure regulator reduces inlet pressure. Wire reinforced dispense hose with J-hook nozzle. Volume level sight tube indicates fluid level in reservoir. Height-adjustable telescoping bowl. Safety relief valve prevents over-pressurization.

Specifications

Fluid Capacity: ..... 25 Gallons
Maximum Height Adjustment:..... 76"
Minimum Height Adjustment: ..... 51"

BK **815-1269**

⚠ WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LINCOLN

26-GAL. PLASTIC USED FLUID DRAIN

Large handles on the front and back make the drain easy to maneuver into position and for storing vital tools and drain plugs. Durable 4" swivel casters and 10" fixed-axle wheels are resistant to shop chemicals and run smoothly across rough shop floors. Three large pocket recesses are ideal for allowing used filters to drain. Built-in, easy-to-read fluid level sight gauge. Funnel height adjusts from 50" to 75" and a 3/4" male camlock style connector extends from the top of the tank for quick, clean fluid extraction using a diaphragm pump or other fluid transfer system. Large 17" diameter offset funnel rotates to catch streaming oil and includes a removable filter screen. Height-adjustable collection bowl and 26-gallon reservoir. Combination of two ball-bearing swivel casters and two fixed-axle wheels makes this product portable and easy to maneuver. Volume lever sight tube. Screen prevents debris from entering reservoir. Heavy-duty 26-gallon tank is molded of durable, lightweight, corrosion resistant polyethylene.

BK **815-1270**

LINCOLN

8-GAL. USED FLUID DRAIN

Drain adjusts from 36" to 65" height. Quick-adjustment clamp enables simple raising and lowering of the drain funnel. Features an integrated oil filter drain shelf to eliminate the need for a secondary surface to drain the filter or set tools. Optional cam lock evacuation kit for use with diaphragm pump systems. Funnel incorporates added splashguard for overspray protection and positively locate optional drain pans. Easy height adjustment . Durable, high-density polyethylene reservoir. Reservoir's flat-top design holds drain filters, tools, nuts, bolts, etc.

BK **815-1271**

⚠ WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LINCOLN

18-GAL. USED FLUID DRAIN

Quick-adjustment clamp enables simple raising and lowering of the drain funnel. Durable, high-density polyethylene reservoir. Features a drain spigot and a standard bung port that can be used with a variety of hand or rotary pumps to remove the collected fluid. Optional cam lock evacuation kit for use with diaphragm pump systems. Drain adjusts from 40" to 77" in height. Easy height adjustment. Reservoir contains integrated drain shelf with plugs - used to rest filter as it drains or hold tools. Funnel incorporates added splash shield to catch overspray and positively locate optional drain pans.

BK **815-1272**

⚠ WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

NAPA

"THE TANK" 16-GAL. SELF-EVACUATION DRAIN

Equipped with "Auto Check" Technology which eliminates "oil shower" risk—using shop air makes emptying automatic. Includes air regulator, 15" large steel funnel with built-in screen and four caster wheels. Locking drain tube extends 36" to 59". 6' evacuation hose doubles as fluid level sight tube. 16-gallon steel tank with compact design that takes up less space. For use on oils, coolant, other non-flammable fluids.

BK **815-5617**

⚠ WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

JohnDow Industries

PORTABLE 27-GAL. OIL DRAIN TANK

The fast and affordable way to capture used oil and other fluids for proper disposal. Made of Roto-molded polypropylene construction, this drain has molded-in handles on all four sides for easy maneuverability. Heavy-duty, 4" locking casters provide both stability and mobility, while the 16" centered funnel with expanded metal screen and swivel base makes positioning a snap. Other features include: Pockets for cap-style filter wrenches, molded-in tool trays for convenient storage and a built-in sight glass that shows fluid level. Optional conversion kit (61431-2) adapts drain for use with pump evacuation system.

BK **811-3010**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

22-GAL. OIL CHANGE STATION

Built-in filter drain. Holds four to five standard automotive filters, eliminating the need to transfer filters to separate containers for draining prior to disposal. Molded tool pocket keeps wrenches, pliers and other tools readily accessible. 3" Port opening allows easy access from the top of the drain for oil evacuation. Other features include: 16" steel funnel with expanded metal screen, lift/lock drain tube which keeps funnel securely in place, adjustable height (40–70 inches), 10" rear wheels/3" front casters, pop-up level indicator and padded push handlebars. Also includes gravity drain valve. Optional conversion kit (61431-2) adapts for use with pump evacuation system.

BK **823-3040**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

PORTABLE 16-GAL. OIL DRAIN TANK

Heavy-duty, 16-gallon steel tank with positive height adjustment from 50"-70", and built-in sight glass for viewing fluid level. 16" Deep-drawn offset funnel with expanded metal screen. Gravity drain valve included. Optional conversion kit (61431-2) adapts drain for use with pump evacuation system.

BK **817-2015**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

PORTABLE USED FLUID DRAIN WITH DRUM

Includes 16-gallon steel keg with evacuation fitting, 17" steel drain bowl with 5-gallon capacity, unique keg cover with anti-leak lip, telescoping drain tube, dipstick level indicator, bung adapter, and four wheel band dolly.

BK **811-1240**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

POLY PORTABLE 8-GAL. OIL DRAIN TANK

Red, translucent poly tank allows for easy viewing of oil level, and adjusts from 48"-67". Also features an 18" diameter funnel (with strainer), a spout for evacuation and 4" heavy-duty casters.

BK **823-1050**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SAMSON

USED OIL DRAIN

For use on 16-gallon keg (not supplied) 17" steel drain bowl with 5-gallon capacity, unique keg cover with anti-leak lip, telescoping drain tube, dipstick level indicator, bung adapter, and four wheel band dolly.

BK **823-1326**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Oil Drains

SAMSON

LOW-PROFILE MOTORCYCLE OIL DRAIN

Allows easy positioning for hard to access drain plugs. Ideal for motorcycle, marine, off-road, lawn, farm and in-plant use. Holds 10-gallons. Air discharge to empty unit. Drain tray adjusts from 29" to 37" high. Heavy steel construction with power coat paint.

BK **395-1905**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LUBMAX Lubrication Equipment

BK **715-1279**

PORTABLE 5-GAL. LIFT DRAIN

5-Gallon capacity lift oil drain features detachable center tube with large opening for easy cleaning. Set screw holds large, adjustable funnel at desired height on telescoping tube. Dolly included.

Item No.	Description
BK **815-5070**	Lift Drain
BK **815-6002**	Plastic Replacement Funnel

JohnDow Industries

LOW-PROFILE 17-GAL. PORTABLE OIL DRAIN

Fits under most trucks, allowing for fast, efficient collection and transfer of used oil, antifreeze, and other fluids. Can be emptied by gravity drain, evacuation pump, or air evacuation. Features 6" industrial casters for easy handling, and 38" T-handle that folds down flat for easy storage. Expanded metal shield reduces splash. Optional Self-Evacuating Kit available (*BK* **395-2119**). Dimensions: 48" L x 25" W x 9" H.

BK **395-2118**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

NAPA

LOW-PROFILE DRAIN EVACUATING KIT

The *BK* **395-2118** can be converted into a self-evacuating drain with this kit. Using regular shop air, oil is easily transferred from drain to storage tank. Kit includes: Air regulator, safety-relief valve, 10' evacuation hose, drain plug, and mounting hardware. For use with *BK* **395-2118** Oil Drain.

BK **395-2119**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JohnDow Industries

25-GAL. LOW-PROFILE OIL DRAIN STATION

This high capacity drain is designed for high volume vehicles and includes a 110V self-contained electric pump evacuation system.

- Rugged steel construction
- Internal baffles prevent splashing during transport
- 48 in. L x 25 in. W x 10 in. H
- T-handle folds for compact storage
- Expanded metal shield reduces splash
- 35 in. long reach T-handle makes drain easy to position under the vehicle
- 10 in. ground clearance
- 10 ft. quick disconnect evacuation hose
- 6 in. industrial casters for easy handling and transport
- Rollers

BK **715-4685**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

JohnDow Industries

LOW-PROFILE 17-GAL. ANTIFREEZE/OIL DRAIN & PUMP

High-impact, polyethylene construction is lightweight, and resists dents. Ideal for heavy-duty trucks or low-profile specifications. Includes 110-volt electric pump. Dimensions: 49" L x 29 1/2" W x 7 3/4" H. Capacity: 17-gallon

BK **811-4013**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

LOW PROFILE PLASTIC TRUCK DRAIN

6' Long discharge hose with 3/4" male camlock connector for fluid extraction. Large 17-gallon (65 liter) capacity reservoir, reservoir molded of high-impact polypropylene. Removable filter screen. Four large 4" diameter swivel casters. Large recessed area for capturing fluid (20" x 29"). Removable metal screen keeps out parts and debris. Recessed pockets at each corner provide storage for drain plugs and filters. Low profile design that can be easily positioned under high-clearance vehicles for capturing used fluids including motor oil, coolant, and transmission fluid.

BK **815-1273**

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

PLASTIC TRUCK DRAIN WITH MANUAL PUMP

Low profile design can be easily positioned under high-clearance vehicles. Large 17-gallon (65 liter) capacity reservoir. Four large 4" diameter swivel casters. Reservoir molded of high-impact polypropylene. 6' (1.8 m) discharge hose with 3/4" male camlock connector for external pump. Large recessed area for capturing fluid (20" x 29"). Removable metal screen keeps out parts and debris. Recessed pockets at each corner provide storage for drain plugs and filters. Low profile design that can be easily positioned under high-clearance vehicles for capturing used fluids including motor oil, coolant, and transmission fluid. Includes manual rotary discharge pump for fluid evacuation.

BK **805-1136**

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LINCOLN

PLASTIC TRUCK DRAIN WITH ELECTRIC DISCHARGE PUMP

Low profile design (only 7 3/4") can be easily positioned under high-clearance vehicles. Includes 120 Volt AC electric discharge pump for fluid evacuation. 6" long discharge hose with 3/4" male camlock connector for external pump. Reservoir molded of high-impact polypropylene and four large 4" diameter swivel casters. Large 17-gallon (65 liter) capacity reservoir. Large recessed area for capturing fluid (20" x 29"). Removable metal screen keeps out parts and debris. Recessed pockets at each corner provide storage for drain plugs and filters. Low profile design that can be easily positioned under high-clearance vehicles for capturing used fluids including motor oil, coolant, and transmission fluid.

BK **805-1137**

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OTC

LOW-PROFILE 15-GAL. ANTIFREEZE/OIL DRAIN & PUMP

Makes draining antifreeze or oil, and getting it to your bulk storage container a snap — all without spilling a drop. Used fluid is collected in reservoir, and rolled smoothly on four-inch, freewheeling casters. Pump moves 5-gallons per minute through the eight-foot transfer hose. Removable handle and attached screen allow assembly to be stored on its side to conserve space. Comes equipped with 110V Electric Pump (528093). Reservoir
Capacity: 15-gallon Dimensions: 24" W. x 42" L. x 9 1/2" H.

BK **811-4017**

⚠ **WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.**

NAPA

BK **821-5039**

BK **821-5040**

OIL/ANTIFREEZE/UTILITY RECYCLING DRAIN PANS

Make of high-density polyethylene with UV stabilizers for years of use. No seams, one-piece construction. Low center of gravity. Corrosion- , rust- and dent-resistant. Drain pans have pouring spouts for easier recycling and large diameter area for all applications. Cap seals prevent spills and leaks. Meets CA oil recycling rules and regulations.

BK **821-5039** 15 Qt. Closed
BK **821-5040** 9 Qt. Extra Heavy-Duty Closed

ALLOMATIC PRODUCTS CO.

AUTOMATIC TRANSMISSION DRAIN PAN

Avoid fluid spills with this big, 22 x 22-inch drain pan. Lightweight, heavy-duty construction, with drain holes to catch dropped bolts.

BK **821-1177**

⚠ **WARNING: Cancer and Reproductive Harm-www.P65Warnings.ca.gov.**

Filter Crushers

JohnDow Industries

BK **395-2100**

BK **395-2101**

BK **395-2102**

AUTOMOTIVE & HEAVY-DUTY TRUCK FILTER CRUSHERS

Both units reduce filter size by 75%, and remove 95% of residual oil. Operates on shop air and can be set up anywhere—compact size takes up less than four square feet of floor space! Easy to operate—can run when unattended. Safety switch prevents operation when door is open. Requires filter/regulator/lubricator.

Specifications

Item No.:	*BK* **395-2100**	*BK* **395-2101**
Height:	28 1/2"	40"
Width:	12 3/4"	12 3/4"
Depth:	12 3/4"	12 3/4"
Weight:	100 lbs.	150 lbs.
Filter Height:	7 1/2"	13"
Filter Diameter:	6"	6"
Crushing Force:	10 tons	15 tons
Pump/Type:	Air/Hydraulic	Air/Hydraulic

Item No.	Description
BK **395-2100**	Automotive
BK **395-2101***	Heavy-Duty Truck
BK **395-2102**	Stand

**** Stand and drum not included.***

***** Not suggested for use with steel shaft filters.***

⚠ **WARNING: (*BK* 395-2100 & *BK* 395-2101) This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HEAVY-DUTY FILTER CRUSHER COMBO W/18 GAL. OIL DRAIN

John Dow oil filter crusher combo with 18 gallon oil drain offers the best solution for the storage and disposal of used oil filters. It assures compliance with federal, state and local regulations for draining oil filters and features Auto Check technology for safe and easy evacuation when drain is full.

- Funnel extends to 59 inches
- Door channel prevents drips and leakage
- Unitized construction for easy maintenance
- Air/hydraulic operation for maximum crushing force
- Safety switch prevents operation when door is open
- 30,00 lbs. crushing force

BK **395-2125**

⚠ **WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MAHLE

RTI **4858008100**

RTI **4858008200**

Mounting stand included and no complicated set-up or installation required

AUTOMOTIVE FILTER CRUSHERS

- Accommodates up to 4 spin-on filters
- Interlocking feature prevents door from opening until the ram is fully retracted
- 100% air operated

Item No.	Description
RTI **4858008100**	9" Chamber
RTI **4858008200**	16" Chamber

Work Lights 634-641
Batteries 649
Cord Reels 643
Extension Cord 644-645
Flashlights 645-648
Headlamps 648
Power Inverters 649
Power Station 645
Power Strip, ... 645
Torch Lights 642

COB LED HEAVY DUTY WORK LIGHT DC-1000 LUMENS

The Carlyle Tools WL1000HD Flood Lamp is built tough to work tough. It's Plastic/Aluminum design gives you strength, light weight, and durability. Adjustable bracket includes dual magnets for easy mounting anywhere.

- Runs 2 hours on high/5 hours on low
- Aluminum body for heat radiation
- Dual magnet base on bracket for multiple hands-free options
- Rechargeable, constant current, battery construction provides full-brightness operation until battery discharges

Specifications

Battery Type:.....3.6V 6000mAh Li-ion
High Lumen Output: 1000
Dimensions:.....6.5 in. H x 6.5 in. W x 8.27 in. D
Housing Material:.....Plastic / Aluminum
Mounting Device:.....Stand-Up Magnetic Base
Power Source:.....Rechargeable Lithium-Ion
Recharge Time:.....4 Hours
Voltage: ..... 3.6 Volt DC

CHT **WL1000HD**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COB LED HEAVY DUTY WORK LIGHT –R+C-3000 LUMENS

The Carlyle Tools WL3000HD Flood Lamp is the ultimate in portable lighting. 3-position illumination from 1000 to 3000 lumens. Includes RC Adapter for AC Power in extended use situations. Adjustable bracket includes dual magnets for easy mounting.

- Automatic memory function
- USB Charging Port
- Aluminum body for heat radiation
- Runs 2 hours on high/4 hours on medium/6 hours on low
- Dual magnet base on bracket for multiple hands-free options
- Battery capacity indicator
- RC Heavy Duty Worklight runs on both AC and internal battery voltages

Specifications

Battery Type:.....7.2V 6000mAh Li-ion
High Lumen Output: 3000
Dimensions:.....11.61 in. H x 7.48 in. W x 12.60 in. D
Housing Material:.....Plastic / Aluminum
Mounting Device:.....Stand-Up Magnetic Base
Power Source:.....Rechargeable Lithium-Ion
Recharge Time:.....4 Hours
Voltage: ..... 7.2 Volt DC

CHT **WL3000HD**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COB LED RECHARGEABLE TUBE LIGHT – 300 LUMENS

The Carlyle Tools WL300T Tube Light packs a lot of power in to a small package, and is built to withstand the toughest working conditions. Drop, water, and roller compaction resistance means you can rely on this light in any work environment. Rechargeable, constant current, battery construction provides full-brightness operation until battery discharges.

- Adjustable hooks with built-in magnets provide multiple hands-free options
- Automatic memory function
- Low voltage indicator
- Super strong light wand that is roller compaction resistant
- Comfort grip handle
- Runs 3 hours on high/6 hours on low
- Battery capacity indicator

Specifications

Battery Type:.....3.7V 2200mAh Li-Ion
High Lumen Output: 300
Dimensions:.....11 in. H x 2.36 in. W x 2.75 in. D
Housing Material:.....ABS Plastic
Mounting Device:..... Adjustable Magnet Brackets w/ Fold-Out Hooks
Power Source:.....Rechargeable Lithium-Ion
Recharge Time:.....4 Hours
Voltage: ..... 3.7 Volt DC

CHT **WL300T**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COB LED RECHARGEABLE ULTRA THIN LIGHT – 150 LUMENS

The Carlyle Tools WL150UT work light is the ultimate light when it comes to inspection lights. It's ultra-thin COB wand comes in at just 1/4" thick and swivels 360°. Includes a magnetic base, foldable hook for hanging, and a pocket clip.

- Automatic memory function
- 180° rotating hanging hook and magnet on the bottom of handle for hands-free use
- Light wand rotates 360°
- Comfort grip handle
- Belt clip
- Low voltage indicator
- Rechargeable, constant current, battery construction provides full-brightness operation until battery discharges
- Runs 3 hours on high/6 hours on low
- Ultra-Thin light wand design is only 0.315" thick

Specifications

Battery Type:..... 3.7V 1200mAh Li-Ion
High Lumen Output: 150
Housing Material:.....ABS Plastic
Mounting Device:..... Magnetic Base w/ Fold-Out Hook
Power Source:..... Rechargeable Lithium-Ion
Recharge Time:.....3 Hours
Voltage: .....3.7 Volt DC

CHT **WL150UT**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

COB LED RECHARGEABLE ULTRA THIN LIGHT-500 LUMENS

The Carlyle Tools WL500UT work light packs even more power in to the same ultra-thin 1/4" thick design and includes the signature Carlyle Tools Comfort Grip Handle. Includes a magnetic base and foldable hook for hanging.

- Automatic memory function
- Runs 2 hours on high/5 hours on low
- 180° rotating hanging hook and magnet on the bottom of handle for hands-free use
- Light wand rotates 360°
- Comfort grip handle
- Low voltage indicator
- Rechargeable, constant current, battery construction provides full-brightness operation until battery discharges
- Ultra-Thin light wand design is only 0.315" thick

Specifications

Battery Type:.....3.8V 3000mAh Li-Ion
High Lumen Output: 500
Dimensions:.....7.87 in. H x 2.36 in. W x 4.33 in. D
Housing Material: .....ABS Plastic
Mounting Device: .....Magnetic Base w/ Fold-Out Hook
Power Source: .....Rechargeable Lithium-Ion
Recharge Time:.....3 Hours
Voltage: ..... 3.8 Volt DC

CHT **WL500UT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2000 LUMEN FLOOD LIGHT WITH CHARGER & BRACKET

Light-weight aluminum construction provides strength and rust protection. Fuel gauge allows users to estimate remaining battery run time and glass lens provides stronger protection against scratches and chemicals.

- Run Time: 2½-3 hrs. high, 5½-6 hrs. low
- 2000 Lumens on high 1000 Lumens on low
- IP 67 ensures dust and water protection
- Includes magnetic base
- Charge time 3-4 hours
- Run time: 5½-6 hours on low 2½-3 high
- 7.2V 6000mAh Battery Type
- 8.4V 2.2A Voltage
- Aluminum w/ rubber bumper
- 16'. Cord length
- Rechargeable Lithium-Ion Power Source

CHT **WL2000UHL**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COB 2000 LUMENS UNDER HOOD LIGHT ASSEMBLY

Light-weight aluminum construction provides strength and rust protection. Fuel Gauge allows user to estimate remaining battery run time and glass lens provides stronger protection against scratches and chemicals.

- Run time: 5-6 hours on low & 2½-3 hours on high
- 2000 Lumens on high 1000 Lumens on low
- IP 67 dust and water resistance
- Lithium Ion battery
- Charge time: 3-4 hours
- Magnetic Base
- 2.2 Amp Rating
- 7.2 Working Voltage
- 18.5 Maximum Wattage
- 18/2 SJTOW Wire Gauge Size
- 16'. Cord length
- UL Approved

Contains: (1) Light Bar w/ Sliding bracket, (1) Charger

CHT **WL2000UHLA**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COB LED RECHARGEABLE SENSOR HEAD LAMP-250 LUMENS

The Carlyle Tools WL250SHL Head Lamp brings innovation to the wearable light market. Fully adjustable lens allows work area focus.
3-Position switch controls brightness and hands-free operation allows turning light on and off without touching it.

- Automatic memory function
- Carlyle Tools Comfort Head Band
- Runs 2 hours on high/4 hours on low
- Adjustable light angle to easily see any working surface
- Low voltage indicator
- Rechargeable, Constant Current, battery construction provides full-brightness operation until battery discharges
- Hands-Free sensor controls allow you to turn light on/off without touching it

Specifications

Battery Type:.....3.8V 1600mAh Li-ion
High Lumen Output: 250
Dimensions:.....2.17 in. H x 5.35 in. W x 7.28 in. D
Housing Material: .....ABS Plastic
Mounting Device: ..... Adjustable Head Band
Power Source: .....Rechargeable Lithium-Ion
Recharge Time:.....2 Hours
Voltage: ..... 3.8 Volt DC

CHT **WL250SHL**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Work Lights

13-WATT ANGLED FLUORESCENT WORK LIGHT

Angled, 13W fluorescent work light features a 360° swivel/ratcheting hook, magnetic holder, and a built-in circuit breaker protection. Also includes convenient tool tap and impact bumpers. UL Approved.

Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 13 Amps
Maximum Wattage: ..... 13 Watts
Jacket Type: ..... SJTOW
Jacket Color: ..... Yellow
Cord Length: ..... 25 Ft.
Gauge: ..... 16/3 AWG
Flexible To: ..... -40° F (-40° C)
Withstands Temp. Up To: ..... 221° F (105° C)

Item No.	Description
BK **782-5079**	25' Work Light
BK **782-7735**	Magnetic Holder

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

26-WATT FLUORESCENT WORK LIGHT

Super-bright, 26 watt fluorescent work light features two 360° swivel/ratcheting hooks, built-in circuit breaker protection, impact bumpers, and convenient tool tap. Oil- and water-resistant cord. UL Approved.

Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 13 Amps
Maximum Wattage: ..... 26 Watts
Jacket Type: ..... SJTOW
Jacket Color: ..... Hi-Vis Yellow
Cord Length: ..... 25 Ft.
Gauge: ..... 16/3 AWG
Flexible To: ..... -40° F (-40° C)
Withstands Temp. Up To: ..... 221° F (105° C)

BK **782-7107** 25' Work Light

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

FLUORESCENT WORK LIGHTS

Features an impact resistant design, easy grip handle, cord strain relief, 360° ratcheting hook, built-in on/off switch. UL/cUL listed.

Specifications

Cord Length: ..... 25 Ft.
Gauge: ..... 18/2 AWG.
Jacket Type: ..... SJTW
Jacket Color: ..... Black

Item No.	Description
BK **776-8057**	13-Watt, 165 Lumens, Angled Fluorescent Work Light
BK **776-8058**	26-Watt, 325 Lumens, Square Fluorescent Work Light
BK **782-7735**	Magnetic Holder

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

62 LED WORK LIGHT

Super bright LEDs with 50,000-hour life and output of 186 lumens. Features a 360° ratcheting hook. Impact resistant design. Installation kit included for mounting to wall or ceiling. Adjustable 25' cord, built-in on/off switch. UL/cUL approved.

BK **776-8056**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INCANDESCENT WORK LIGHT

All-purpose work light features a 360° swivel/ratcheting hook, metal bulb guard, and convenient tool tap. Abrasion and water-resistant cord. Great for home, auto, and general use.

Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 13 Amps
Maximum Wattage: ..... 1,625 Watts
Jacket Type: ..... SJTW
Jacket Color: ..... Orange
Maximum Bulb Wattage: ..... 75 Watts
Gauge: ..... 16/3 AWG
Flexible To: ..... -40° F (-40° C)
Withstands Temps. Up To: ..... 167° F (75° C)

BK **782-5005** 25' Work Light
BK **782-5006** 50' Work Light

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CLAMP-ON FLOODLIGHT

Adjustable clamp light features steel spring, heavy-duty padded attachment clamp, and 8.5-inch reflective bulb shade. Ideal for portable light applications.

Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 10 Amps
Maximum Wattage: ..... 1,250 Watts
Jacket Type: SPT-2
Jacket Color: ..... Black
Cord Length: ..... 6 Ft.
Maximum Bulb Wattage: ..... 150 Watts
Gauge: ..... 18/2 AWG
Flexible To: ..... -5° F (-20° C)
Withstands Temps. Up To: ..... 145° F (62° C)

BK **782-5221**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORDLESS WORKLIGHTS

20V MAX* LED Worklight

20V MAX* LED Worklight

20V MAX* Jobsite LED Spotlight

12V/20V MAX* COMPACT TASK LIGHT

20V MAX* Cordless Tripod Light (Kit)

Tool Only Item No.	*DEW* **DCL050**	*DEW* **DCL040**	*DEW* **DCL043**	*DEW* **DCL077B**	*DEW* **DCL079R1**
Volts / Power Source	20V MAX*	20V MAX*	20V MAX*	20V MAX*	20V MAX*
Bulb	LED	LED	LED	LED	LED
Brightness	500 & 250 lumens	110 lumens	1,000 & 90 lumens	2,000 Lumens	1,001 - 3,000 lumens
Run-Time	Up to 3 - 17 hrs.	Up to 11 hrs	Up to 13.5 hrs		Up to 11 hrs
Weight	2 lbs (tool only)	1.0 lbs (tool only)	1.4 lbs (tool only)	3 lbs	16 lbs
Charger/Batteries	Sold Separately	Sold Separately	Sold Separately	Sold Separately	20V MAX* Charger (*DEW* **DCB115**) /20V MAX* 6Ah Battery Pack (*DEW* **DCB206**)

M12™ SERVICE AND REPAIR FLOOD LIGHT

MIL **2367-20**

Kit Item No.	*MIL* **2475-21XC**
Volts	12
Bulb Type	LED
Run Time	Up to 24 hrs on M12 4.0XC
Modes	2
Weight	1.01 lb
Charger/Batteries	All M12 Batteries and Chargers
Includes	Includes: (1) M12 service and repair flood light with USB charging (2367-20)

ROVER™ MAGNETIC FLOOD LIGHT

- 300 lm of TRUEVIEW™ high definition output
- Magnets on top and back
- IP54 Rated: water and dust resistant

Features

- Two light output modes: high mode: 300 lm to 5 hours; low mode: 100 lm to 16 hours
- Rotating metal pocket clip functions as base
- 4m (12 ft) drop rated and corrosion resistant body and lens
- Powered by (2) AA batteries (Included)
- TRUEVIEW high definition output provides neutral white color and produces an even beam pattern for clearer visibility

Warranty: Limited Lifetime Warranty (Excludes Batteries)
Includes: (1) ROVER™ Magnetic Flood Light and (2) AA Batteries
MIL **2108**

M12™ LED STICK LIGHT

- Delivers 220 Lumens of TRUEVIEW high definition output
- Integrated, multi-position hook allows for hands-free use
- Equipped with a replaceable impact-resistant lens for durability
- Run Time: Over 4+ hours of run-time

Features

- Powerful 3-LED design
- 220 lm - bright, smooth, even beam
- Related accessory: MIL 49-24-2351 M12™ stick light magnet (sold separately)
- TRUEVIEW™ high definition output provides neutral white color and produces an even beam pattern for clearer visibility
- Battery fuel gauge: displays remaining battery life
- Part of the M12™ System, featuring over 100+ tools

Warranty: 5 year limited tool warranty
Includes: (1) M12™ Stick Light (MIL 2351-20)
MIL **2351-20**

PENLIGHT

- 100 lm of TRUEVIEW™ high definition output
- Protective rubber bite zone
- IP67 Rated: waterproof and dust proof

Features

- 6000 Series aircraft aluminum body
- Impact and Chemical Resistant Lens
- Removable metal clip
- On/off and momentary-on button
- TRUEVIEW high definition output provides neutral white color and produces an even beam pattern for clearer visibility

Warranty: Limited Lifetime Warranty (Excludes Batteries)
MIL **2105**

Work Lights

LIGHTING

Kit Item No.	*MIL* **2125-21XC**				
Tool Only Item No.	*MIL* **2125-20**	*MIL* **2365-20**	*MIL* **2364-20**	*MIL* **2735-20**	*MIL* **2361-20**
Volts	12	18	12	18	18
Bulb Type	LED	LED	LED	LED	LED
Max Lumens	1350	1500	1000	160	1100
Run Time	Up to 8 hrs w/M12 4.0 XC Battery	Up to 20 hrs	Up to 20 hrs	Up to 12 hrs	Up to 8 hrs w/M18 XC 5.0 Battery
Modes	2	3	3	1	
Mounting	Removable/Clamp	Magnetic/Clamp	Magnetic/Clamp	Hang Hook	Hang Hole
Weight	4.6 lbs	3.6 lbs	2.7 lbs	1.0 lbs	
Compatible Charger	All M12 Batteries and Chargers	Sold separately. All M18 Batteries and Chargers	Sold separately. All M12 Batteries and Chargers	Sold separately. All M18 Batteries and Chargers	Sold separately. All M18 Batteries and Chargers
Includes	(1) M12™ Underhood Light (*MIL* **2125-20**) (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack (*MIL* **48-11-2440**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**)	(1) M18™ ROVER™ Mounting Flood Light (*MIL* **2365-20**)	(1) M12™ ROVER™ Mounting Flood Light (*MIL* **2364-20**)	(1) M18 LED work light (*MIL* **2735-20**)	(1) M18™ ROVER™ Flood Light (Tool-Only) (*MIL* **2361-20**)

LIGHTING

Kit Item No. / Tool Only Item No.	*MIL* **2111-21**	*MIL* **2112-21**	*MIL* **2113-21**	*MIL* **2114-21**	*MIL* **2115-21**
Volts	REDLITHIUM USB 4V				
Bulb Type	LED	LED	LED	LED	LED
Max Lumens	475	445	500	550	600
Run Time	Up to 31 hrs	Up to 11 hrs	Up to 10 hrs	Up to 11 hrs	Up to 25 hrs
Modes	5	2	2	3	4
Mounting	Headlamp band	Magnetic	Magnetic	Magnetic/Carabiner	Headlamp band
Weight	0.6 lbs	0.5 lbs	0.6 lbs	0.5 lbs	0.4 lbs
Compatible Charger	Charges via USB	Charges via USB	Charges via USB	Charges via USB	Charges via USB
Includes	(1) Hard Hat Headlamp (1) REDLITHIUM™ BATTERY (1) USB Cable	(1) Pocket Flood Light (1) REDLITHIUM™ BATTERY (1) USB Cable	(1) USB Rechargeable Pivoting Flashlight (*MIL* **2113-21**) (1) REDLITHIUM™ USB BATTERY (*MIL* **48-11-2130**) (1) 2 foot Heavy Duty Cable	(1) USB Rechargeable ROVER™ Pivoting Flood Light (*MIL* **2114-21**) (1) REDLITHIUM™ USB BATTERY (*MIL* **48-11-2130**) (1) 2 foot Heavy Duty Cable	(1) USB Rechargeable Low-Profile Headlamp (*MIL* **2115-21**) (1) 2FT Heavy Duty USB Cord (1) REDLITHIUM™ USB Rechargeable Pack (4) Universal Hard Hat Clips

Battery Chargers

LITHIUM ION 360° CORDLESS WORK LIGHT AND MAGNETIC TORCH

- 400 Lumens on high and 200 Lumens on low
- Two swivel hooks and three covered magnets allow hands-free operation
- 10 Super-bright SMD LEDs
- High powered 3W directional torch on head
- Multi-function switch for high/low and torch function
- Charging port for included 120V AC and 12V chargers
- Unique ball joint enables 360° swivel and tilt
- Rechargeable lithium ion battery

NBC **85-911**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RECHARGEABLE TACTICAL WORK LIGHT

- Provides and output of 500 lumens
- Working range of up to 650 ft.
- Lightweight aluminum housing
- Micro USB charging port
- Illumination can be changed from wide area to spotlight by twisting head
- Includes 110W wall charger and Micro-USB cable

NBC **85-912**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

360° SWIVEL 300 LUMEN RECHARGEABLE WORK LIGHT

- 300 Lumens on high setting/150 lumens on low setting
- 120° Spread of light
- End mounted super strong magnet and one swivel hook for easy mounting
- High impact ABS housing
- Includes 120V AC charger and Micro-USB cable

NBC **85-913**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

360° SWIVEL 600 LUMEN RECHARGEABLE WORK LIGHT

- 600 Lumens on high setting/300 lumens on low setting
- Double the battery life of the *NBC* **85-911**
- Two rear mounted and one base mounted super strong magnet and two swivel hooks for easy mounting
- Soft touch rubberized housing
- Includes 120V AC wall, 12V DC in car charger and Micro-USB cable

NBC **85-914**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RECHARGEABLE INSPECTION PENLIGHT

This lightweight, portable light features a magnetic pocket clip, which allows hands-free operation. Includes 1W LED on the end for use as a directional torch.

- 7 super bright SMD LEDs
- 1W LED directional torch
- Magnetic pocket clip
- Hands free operation

NBC **85-802**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RECHARGEABLE 360° SWIVEL 400 LUMEN COLOR MATCH WORK LIGHT

- 400 Lumens on high setting/200 lumens on low setting
- Color rendering index (CRI) of 95 assists in bodywork color matching
- End mounted super strong magnet
- 360° Swivel and tilt feature
- Built-in fan for longer life
- Includes 110V – 240V AC wall plug/5V DC and 1.0A 1.5M USB cable

NBC **85-917**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RECHARGEABLE 360° SWIVEL 1700 LUMEN COLOR MATCH FLOOD LAMP

- 1700 Lumens on high setting/500 lumens on low setting
- Color rendering index (CRI) of 95 assists in bodywork color matching
- Super bright COB led light source
- 180° Swivel stand
- Durable aluminum body, rubber edge protector
- Includes 110V – 240V AC/DC wall plug

NBC **85-918**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RECHARGEABLE 3W CREE LED HEAD LAMP

- 140 Lumens
- 3 Light modes: 100%, 30%, flashing
- Wave on/off auto sensor
- High impact abs housing
- Adjustable headband with foam brow for comfort
- Includes 110V – 240V AC wall plug/5V DC and 1.0A 1.5M USB cable

NBC **85-919**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RECHARGEABLE TACTICAL LIGHT

- Machined Aluminum Construction
- Premium CREE XM-L U4 LED
- Twin Internal lithium batteries
- 3 light settings
- Micro USB Rechargeable, cable included
- 1000 Lumens with adjustable focus
- 400 yard light distance
- 2 hour run time

Specifications

Dimensions (L x W x H): ..... 12.01" x 6.1" x 2.17"
Weight: ..... 1.875 lbs.

NBC **85-956**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NAPA Battery Chargers

RECHARGEABLE TACTICAL LIGHT

- Machined Aluminum Construction
- Premium CREE HP50 LED
- Twin Internal lithium batteries
- 3 light settings
- Micro USB Rechargeable, cable included
- 2000 Lumens with adjustable focus
- 400 yard light distance
- 2 hour run time

Specifications:

Dimensions (L x W x H): ..... 12.01" x 6.1" x 2.17"
Weight: ..... 1.875 lbs.

NBC **85-957**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TOOL BOX LIGHT

15W Rechargeable Magnetic Work Light.

- 150 Lumens gives 360 minutes of life
- High-quality lithium battery 2200mAh
- Light up tool boxes, cabinets, work stations and more
- Charging time is 3 hours
- Operating time is 6 to 12 hours
- Supplied with Micro-USB to USB Cable for recharging the internal battery

NBC **CL800**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNDERHOOD RECHARGEABLE WORK LIGHT

- Durable ABS & Aluminium Construction
- Rechargeable lithium batteries
- 3 x 5 watt COB work lights with total of 1,000 Lumens
- Adjustable lights allow aiming to specific area
- Adjustable width from 47" to 69" - fits most vehicles
- Padded hooks will not mar the paint
- Three power level settings
- Run Time – 6 hours (high) to 14 hours (low)
- LED power indicator for battery charge level

NBC **CL801**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RECHARGEABLE POCKET WORK LIGHT

- 120 Lumen Work light
- 100 Lumen Penlight
- Soft Touch ABS Housing
- Magnetic Pocket Clip
- 36" USB Braided Charging Cable
- 2.5 hour run time Work light
- 4 hour run time – Penlight
- Rapid 2 hour Re-Charging

Specifications

Dimensions (L x W x H): ..... 3.76" x 1.26" x 7.77"
Weight: ..... 0.45 lbs.

NBC **85-802**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL COMBINATION SLIMLIGHT

Unique new Slimlight featuring both a standard worklight, a UV light for leak detection and an end mounted torch for inspecting hidden areas.

- Adjustable Worklight Brightness from 60 to 600 Lumens
- Worklight Run Time 1.5 Hours (High) to 18 Hours (Low)
- 4 x .5W UV LED's for Leak Detection
- LED Battery Strength Indicator
- 360 Degree Magnetic Swivel Base with Hang Hook
- Soft Touch Finish
- Includes Charging Cable

NBC **CL960**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RECHARGEABLE FLOOR LAMP

- 15W COB LED, adjustable 100-1200 Lumens
- 4000 mAh, 7.4V rechargeable lithium battery
- 2 to 5.5 hours run time
- Includes car and wall charger

NBC **CL803**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

REPLACEMENT BATTERY PACK

Extend the operating time of the CL803 Lamp by installing a replacement battery.

- 4000mAh 7.4V Li-on Rechargeable Battery
- 2 to 5.5 Hours Run Time
- 4.5 to 5.5 Hours Recharge Time

NBC **SA880U**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAGNETIC STAND

- Adjustable Magnetic Stand
- Easily slides into the battery pack

NBC **SA881U**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TELESCOPIC STAND

- Optional tripod stand for use with one or two CL803
- Head swivel easily slides into battery pack
- Adjustable tripod height extends up to 4.9'

NBC **SA882U**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LIGHT n Carry

MANTIS COB LED RECHARGEABLE WORK LIGHT

- Advanced COB LED technology
- 2 work light settings: 110/35lm
- 60 lumen SMD LED focus beam
- 180 degree Swivel Action Magnet Mounting
- Up to 4 Hour run time
- Wall charger with braided USB cable
- LED battery status display

SOR **LNCMINI**

WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

LIGHT n Carry

LED RECHARGEABLE WORK LIGHT

- Advanced COB LED technology, *SOR* **LNC1241**
- 60 lumen SMD LED focus beam
- 180 degree swivel action magnet mounting
- Up to 4 hour run time
- Wall charger with braided USB cable
- LED battery status display

Item No.	Max Lumen COB	2 Work Light Settings
SOR **LNC1241**	200 Max	200/60lm
SOR **LNC1341**	300 Max	300/90lm
SOR **LNC1541**	500 Max	500/150lm
SOR **LNC1841**	800 Max	800/210lm

WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

LIGHT n Carry

QUAD POD ADJUSTABLE LIGHT STAND

The Quad Pod is an accessory to our A/F/S (flood) lights. This stand provides exceptional stability, with its four legs and tubular steel construction, and is adjustable for height. In addition, it features a quick clamping claw attachment to allow fast, secure attachment of a single light or the included bar attachment, which can support 2-4 lights (depending on light size).

***Lights not included**

SOR **LNCPOD**

WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

LIGHT n Carry

ARM-BAR MAGNETIC LIGHT BAR MOUNT

The ARM-BAR magnetic lighting bar mount by Light-N-Carry offers convenient mounting of Light-N-Carry work lights and A/F/S lights under the hood of any vehicle being serviced. Featuring expanding arms and articulating hooks with 360-degree adjustability, the ARM-BAR provides engine light coverage in a fully adjustable format. Rubberized hooks ensure that the vehicle's finish doesn't get scratched and its robust aluminum chassis holds up to the harshest of shop environments. Plus it can accommodate any light equipped with a magnet.

SOR **LNCBAR**

WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

LIGHT n Carry

SOR **LNC2251**

SOR **LNC2150**

COB LED FLOOD LIGHT

Light-N-Carry A/F/S lights are an ideal answer when it comes to the tasks of Area/Flood/Site light illumination. Whether on a building site, in an industrial environment or in an automotive garage, Light-N-Carry A/F/S lighting solutions provide bright illumination, long run times and easy recharging. They feature a 180˚ swivel arm with magnetic mounts and hardware mounting holes to allow it to be mounted in and setting by a variety of methods. They feature IP64 dust/water ingress protection and function as a USB power bank to charge small electronics. The *SOR* **LNC2251** and *SOR* **LNC2551** also come equipped with two removable batteries, allowing one battery to be charging while the other is in use. Backed by a 1 Year Limited Warranty, it includes a coupon for a one-time, fixed-fee service after the warranty period has ended. Portable, Powerful, Versatile – you can count on Light-N-Carry.

- 3 Flood Light Settings
- Utilizes Citizen COB LED chip
- Removable battery design (LNC2251 and LNC2551 only)
- Includes 2 batteries (LNC2251 and LNC2551 only)
- 180˚ Swivel Action Magnet Mounting
- USB Power Supply
- IP64 Dust/Water Protection
- LED Battery Status Display
- Includes Service Coupon
- Includes Wall Charger
- 1 Year Limited Warranty

Item No.	Description
SOR **LNC2150**	1000 Max Lumen
SOR **LNC2251**	1500 Max Lumen
SOR **LNC2551**	4000 Max Lumen

WARNING: This product can expose you to chemicals including vinyl-chloride, styrene and acrylonitrile, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov

INDEX

Work Lights

LED RECHARGEABLE TORCH LIGHTS

Light-N-Carry Rechargeable Torch Lights are great for the tech that needs a light that is reliable, tough and provides effective illumination. Whether you need a superior lighting solution in the workplace or your personal garage, Light-N-Carry Torch Lights are for you. Light-N-Carry Torch Lights deliver a high intensity beam from their advanced LED light engines. Each model features a zoomable torch setting that allows the user to choose a broader or more focused area of illumination. Adjustment is quick and easy, with either a pull or twist of the light. All models feature a rugged aluminum housing for durability in even the harshest work environments, 5 ft. impact resistance rating and a 1 year warranty. Model *SOR* **LNC375** includes a wireless charging base for hassle-free charging. Simply dock the torch in the base to begin charging. An LED indicator ring in the base of the torch alerts you to charging progress. It also includes a 2A wall charger and braided micro USB cable.

120 MAX LUMEN LED PEN LIGHT

- 120 Max Lumen Torch Mode
- Twist Action Zoom
- Dimmer Function
- Magnetic Mount
- Protected MicroUSB Charging Port
- Charging Status LED Indicator
- USB/Micro USB Braided Charging Cord
- Pocket Clip
- Utilizes 10580 Battery (included)

SOR **LNC312**

⚠ **WARNING: This product can expose you to chemicals including nickel compounds, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov**

FLUORESCENT CORD REEL WORK LIGHT REPLACEMENT HEAD

Yellow polypropylene handle with grounded NEMA 5-15R receptacle and rocker switch. Long-life (10,000 hour), 13 watt, 4100K, compact fluorescent lamp installed. Adjustable double hook. Ballast in handle. High-impact polycarbonate lamp protector with light reflector. Clear polycarbonate end cap for spot lighting. For use with Fluorescent Cord Reel Work Light *BK* **782-7746**

BK **782-5236**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WORK LIGHT BULB GUARD/HANDLE

Three-wire handle with on/off switch. Metal bulb guard features swing-open door and hanging hook. No receptacle. Maximum Bulb Wattage: 75. Crack and heat resistant.

BK **782-5281**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

400 MAX LUMEN WORK/ TORCH LIGHT

- Dual Function Model
- 400 Max Lumen COB Work Light Mode
- 350 Max Lumen Torch Mode
- Pull Action Torch Light Zoom
- Emergency Flare Work Light Mode
- Dimmer Function
- Magnetic Mount
- Protected MicroUSB Charging Port
- Charging Status LED Indicator
- USB/Micro USB Braided Charging Cord
- Utilizes 18650 Battery (included)

SOR **LNC330**

⚠ **WARNING: This product can expose you to chemicals including nickel compounds, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov**

750 MAX LUMEN LED TORCH LIGHT

- 750 Max Lumen Torch Mode
- Pull Action Zoom
- Protected MicroUSB Charging Port
- Charging Status LED Indicator
- Wireless Charging Base
- 5V 2A USB Power Supply Wall Charger
- USB/Micro USB Braided Charging Cord
- Utilizes 21700 Battery (included)

SOR **LNC375**

⚠ **WARNING: This product can expose you to chemicals including nickel compounds, which are known to the State of California to cause cancer and birth defects. For more information visit www.P65Warnings.ca.gov**

METAL BULB GUARD

Durable, steel construction features swing-open door, and fixed position hook. Maximum bulb wattage: 75.

BK **782-5285**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

MAGNETIC HOLDER

Fits *BK* **782-5079** Extension Angled Fluorescent Work Light.

BK **782-7735**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA

FLEXZILLA® 50 FT. RETRACTABLE EXTENSION CORD REEL

The Flexzilla® Retractable Extension Cord Reel comes pre-loaded with 50 ft. of oil-resistant cord and a lighted triple tap outlet. The reel locks the cord out in 1 ft. increments. This retractable reel is ideal for general, commercial and industrial use. Recommended for dry, indoor locations. CULus Listed.

- Power indicator light
- Grounded plug includes 5 ft. lead-in cord
- Lighted triple tap outlet provides plenty of capacity
- Adjustable cord stopper ensures the outlet is always within reach
- Swivel mounting bracket pivots in the direction of your work so this reel can be mounted to a wall or ceiling
- Circuit breaker with reset button prevents breaker from tripping so you don't have to worry about blown fuses
- Oil resistant 14/3 AWG SJTOW cord flexible in low temperatures and resists the effects of oil, water and sunlight

BK **FZ8140503**

WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

FLEXZILLA PRO

FLEXZILLA® 60 FT. RETRACTABLE EXTENSION CORD REEL

The Flexzilla® Pro Retractable Extension Cord Reel comes pre-loaded with 60 ft. of cord, a lighted triple tap outlet and grounded 4.5 foot lead-in cord. The 12/3 AWG SJTOW oil resistant cord allows you to power heavy-duty equipment in the shop or on the job-site. Plus this reel features an adjustable cord stopper, power indicator light, and a swivel mounting bracket. This retractable reel is ideal for commercial and industrial use.

- Cord locks out in 2 ft. increments
- Circuit breaker with reset button prevents blown fuses and tripped breakers
- The impact-resistant housing protects and stores the extension cord when not in use
- Utilizes a self-leveling system which winds the cord evenly as it automatically retracts
- Swivel mounting bracket pivots in the direction of your work and can be mounting to a wall or ceiling

BK **FZ8120603**

WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

FLEXZILLA

FLEXZILLA® 25 FT. RETRACTABLE EXTENSION CORD REEL

he Flexzilla® Retractable Extension Cord Reel comes pre-loaded with 25 feet of 16 gauge oil resistant cord, a lighted triple tap outlet and grounded 5 foot lead-in cord. The reel also contains a circuit breaker with reset button, adjustable cord stopper, power indicator light, and a swivel mounting bracket. The reel locks the cord out in 1 foot increments. The impact resistant housing protects and stores the extension cord when not in use. This retractable reel is ideal for general, commercial and industrial use.

- Cord locks out in 1 ft. increments
- Circuit breaker with reset button prevents blow fuses and tripped breakers
- The impact resistant housing protects and stores the extension cord when not in use
- Utilizes a self-leveling system which winds the cord evenly as it automatically retracts
- Swivel mounting bracket pivots in the direction of your work and can be mounted to a wall or ceiling

BK **FZ8160253**

WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

RETRACTABLE METAL CORD REEL WITH TRI-TAP

Retractable metal cord reel with tri-tap outlet. Multiple outlet connections for convenience. Heavy-duty reel return spring. Includes installation kit for wall or ceiling mount. Adjustable cord length. UL Approved.

Specifications

Gauge:.....16/3 AWG
Jacket Type:.....SJTW
Jacket Color:..... Black
Cord Length:.....25 Ft.

BK **776-8060**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INDEX

Extension Cords

BK **782-5188**

BK **782-5198**

BK **782-5155**

BK **782-5189**

BK **782-5199**

BK **782-5156**

BK **782-5190**

BK **782-5196**

BK **782-5197**

BK **782-6633**

BK **782-6632**

BK **782-6634**

BK **782-6635**

BK **782-5203**

BK **782-5204**

EXTENSION CORD STYLES:

A Durable weather-resistant jacketing for indoor/outdoor use. Features LED-lighted plug end that lets you know when power is on. UL Listed and double-insulated for use with power tools

B Durable weather-resistant jacketing for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools

C High-Visibility and High Performance. Durable weather-resistant jacketing for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools

D Cold-weather rated for extreme temperatures, stays flexible down to -58°F(-50°C). Also features handy LED-lighted plug end. UL Listed, polarized 3-wire, double-insulated for use with power tools

E Locking Power Tool Cords lock safely and securely to any power tool, eliminating the need to tie cords in knots. Water-resistant for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated

F Multi-Outlet Cords featuring in-line power outlets for added safety and convenience. Taps feature covers for added protection when not in use. Water-resistant for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools. NOTE: *BK* **782-6635** is rated to 15 Amps and uses a 20-Amp male plug to maximize overload protection. Designed to be used with 20-Amp receptacles only

G Tri-Tap Three Outlet extension cords feature water-resistant jackets for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools.

STYLE:	A	A	A	B	B	C	C	D	D
Features	*BK* **782-5188**	*BK* **782-5189**	*BK* **782-5190**	*BK* **782-5155**	*BK* **782-5156**	*BK* **782-5196**	*BK* **782-5197**	*BK* **782-5198**	*BK* **782-5199**
Length:	25 ft.	50 ft.	100 ft.	25 ft.	50 ft.	100 ft.	100 ft.	25 ft.	50 ft.
Gauge:	16	16	16	14	14	14	12	16	16
Max, Amps:	13	13	10	15	15	13	15	13	13
Max. Volts:	125	125	125	125	125	125	125	125	125
Jacket Type:	SJTW	SJTW	SJTW	SJTW	SJTW	SJTW	SJTW	SJTOW	SJTOW
Jacket Color:	Orange	Orange	Orange	Orange	Orange	Hi-Vis Yellow	Hi-Vis Yellow	Blue	Blue
Flexible To:	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-58°F(-50°C)	-58°F(-50°C)
Withstands Heat To:	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	221°F (105°C)	221°F (105°C)
Lighted Plug End:	N	N	N	Y	Y	Y	Y	Y	Y

STYLE:	E	E	F	F	G	G
Features	*BK* **782-6633**	*BK* **782-6632**	*BK* **782-6634**	*BK* **782-6635**	*BK* **782-5203**	*BK* **782-5204**
Length:	50 ft.	100 ft.	25 ft.	50ft.	25 ft.	50 ft.
Gauge:	12	14	14	12	12	12
Maximum Amps:	15	13	15	15	15	15
Maximum Volts:	125	125	125	125	125	125
Jacket Type:	SJTW	SJTW	STW	STW	SJTW	SJTW
Jacket Color:	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow
Flexible To:	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)
Withstands Heat To:	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)
Lighted Plug End:	N	N	N	N	Y	Y
Multi-Outlet:	N	N	Y	Y	Y	Y
Locking Plug (Female):	Y	Y	N	N	N	N
# of Inline Plug Outlets:	N/A	N/A	2	5	N/A	N/A
Male Plug Type:	15A (5-15P)	15A (5-15P)	15A (5-15P)	20A (5-20P)	15A (5-15P)	15A (5-15P)

⚠ **WARNING: (*BK* 782-5188, *BK* 782-5189, *BK* 782-5190, *BK* 782-5155, *BK* 782-5156, *BK* 782-5196, *BK* 782-5197, *BK* 782-5198, *BK* 782-5199, *BK* 782-5203 & *BK* 782-5204) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 782-6633, *BK* 782-6632, *BK* 782-6634, *BK* 782-6635) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA® PRO EXTENSION CORDS

Flexzilla® Pro industrial grade extension cords are engineered to hold up to the toughest jobs. They are easy to coil and remain flexible in temperatures as low as -58°F and up to 140°F. Plus, the grounded plug includes a lighted power indicator which lets you know power is running through the cord. Flexzilla Pro Extension Cords are ideal for outdoor industrial grade applications

- Extreme all-weather flexibility (-58°F to 140°F)
- Abrasion and corrosion-resistant
- Glow-in-the-dark stripe
- Power indicator light
- Resists kinks and easy to coil
- Grounded plug
- Water Resistant
- Flame Retardant
- Outdoor use
- cULus Listed

Item No.	Length	Wire Gauge Size
BK **782-7141**	25 Ft.	12/3 AWG
BK **782-7142**	25 Ft.	14/3 AWG
BK **782-7143**	50 Ft.	14/3 AWG

WARNING: This product can expose you to chemicals including Di (2-ethylhexyl) phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CORD CLAMP PLUG

Rugged vinyl with steel cord clamps. Cord-clamp handle devices for 2-wire and 3-wire applications. 2-wire plugs use round or flat cord up to sizes 14/2. 3-wire plugs use round or flat cord up to size 12/3. Both are 15A/125V.

BK **782-7651**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ROUND FEMALE CONNECTOR

Heavy-duty industrial type connector with armored grip. 2-screw cord grip. UL listed. Rubber. 15A/125V. Three-conductor, three-wire grounded.

BK **782-7688**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

GATOR-GRIP GROUNDING PLUG & CONNECTOR

Two-pole, 3-wire grounding. Accepts cord sizes (depending upon device rating) 3-conductor No. 18 AWG. through No. 10 AWG. Impact-resistant PVC/ABS housing. Affords N.E.C. compliance and is UL listed. Straight-blade devices.

BK **782-7703** Plug
BK **782-7713** Connector

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3-TO-1 POWER OUTLET ADAPTER

15 Amp (1,875 watts) max current and not for use with extension cords.

BK **782-7728**

Do not use with extension cords.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SIX-OUTLET POWER STRIP

On/off rocker switch, heavy duty line cord with molded plug. Rugged high-impact plastic housing. For computers, stereos, vcrs, tvs, small appliances and many other electrical items. Cord length: 3 ft. Amp rating: 15 amp (1,875 watts). Temperature range: up to 140° F (60°C). UL approved.

BK **782-5014**

Do not use with extension cords.

WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

THE GRID PROFESSIONAL POWER STATION

The GRID is a brick of power, made for rugged battery packs and power-hungry tech. Comes with 9-vertical outlets and 4-lightning fast 2.1 Amp USB ports.

- Everything plugged into the GRID is protected from tech-destroying power surges.
- Rugged non-slip exterior.
- Independent zone control, ability to switch off power to the other zones.
- 5 front status LEDs.
- 4 x 2.1 Amp charging ports for the fastest charging.
- High capacity power outlets, 5 outlets in the rear, 4 outlets in the front.
- Flat power brick looks great on workbench or counter tops.
- Amp Rating: 2.1 Amp (USB)
- 4 x 2.1 Amp USB Ports / 9 x Power Outlets
- 5 Volt DC / 120 Volt AC

BK **TLG1**

COAST
LIGHTS • KNIVES • MULTI-TOOLS

G32 PURE BEAM FLASHLIGHT

- G32 LED flashlight features pure beam optic with the ability to twist focus. Flood mode casts a huge circle of light that is equally bright across
- Compact light includes a pocket clip
- Spot mode will reach far down range with a transition halo that allows for a large viewing area surrounding the tight spot beam
- 2 AA Batteries included
- 3 Volt DC Rating
- 110 / 355 Lumens
- Aluminum
- Adjustable beam with a distance of 73M / 132M
- Run time (Hours): 4 Hours 15 Mins / 47 Mins

Contents: (1) Flashlight, (2) AA Alkaline Batteries, (1) Pocket Clip

BK **G32**

INDEX

Flashlights

COAST

COAST LED 370 LUMEN FLASHLIGHT

This compact Coast LED flashlight features twist focus with adjustable brightness and a beam distance of 134m on high.

- Aircraft aluminum
- Pure-beam focusing optic
- Uses AAA batteries
- 4 Hour run time on high
- Shock resistant body

BK **G29**

EVERCRAFT

3D HEAVY-DUTY HIGH OUTPUT LED FLASHLIGHT

Super bright Nichia® LED never needs replacing. Five output modes. High/med/low/strobe/S.O.S. modes. 820 Ft. beam distance. Aircraft grade aluminum housing. 75-hour run time with (3) D batteries included. Non-rolling.

BK **776-8066**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

HIGH OUTPUT LED FLASHLIGHT

Super bright Nichia® LED never needs replacing. 328 Ft. beam distance. Aircraft-grade aluminum housing. One hour run time with (2) AA batteries included. Nylon belt pouch included. 156 Lumens.

BK **776-8065**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

ALUMINUM HIGH-OUTPUT LED FLASHLIGHT

Super bright Nichia® LED never needs replacing. Anodized aluminum housing. 328 Ft. beam distance. 3.5 Hour run time with (3) AAA batteries included. Water-resistant.

BK **776-8061**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

SUPER BRIGHT FLASHLIGHTS

Nichia LED never needs replacing. Water composite submersible to one meter. Pack of 2. 3.5 Hour run time. (6) AAA batteries included.

BK **776-8063**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST

G20 INSPECTION BEAM PEN LIGHT

- LED is virtually unbreakable
- Optimized for up close use with its crisp edges and little glare, the perfect circular beam illuminates where and when you need it
- Whether you store it in your shirt pocket, pants pockets, or a tool bag, the G20 flashlight with its inspection beam optic is a light that you should keep close
- Weather and impact resistant
- Tested and rated to ANSI/FL1 standards
- 2 AAA Batteries included
- Adjustable beam with a distance of 72' (22M)
- 3 Volt DC Rating
- Aluminum
- 10 Hours run time
- Shock absorbing
- Contents: (1) Flashlight, (2) AAA Alkaline batteries, (1) Pocket Clip

BK **G20**

COAST

A8R PEN LIGHT USB FLEX CHARGE INSPECTION PEN LIGHT

- LED is virtually unbreakable
- Recharges by placing a charging cap over the head of the light and works with any USB port
- Inspection beam throws out a perfectly circular beam without any dark spots that make up close inspections easier
- Weather and impact resistant
- A8R LED flashlight is the smallest and lightest weight rechargeable penlight on the market
- Tested and rated to ANSI/FL1 standards
- Aluminum
- Beam Distance (Meters): 62' (19 M)
- 1 Hour Run time

Contents: (1) Flashlight, (1) AC Adapter, (1) DC Adapter, (1) Pro-Flex Charging Cap, (1) Pocket Clip

BK **A8R**

COAST

A9R USB FLEX CHARGE PEN LIGHT

- LED is virtually unbreakable
- Recharges by placing a charging cap over the head of the light and works with any USB port
- Inspection beam throws out a perfectly circular beam without any dark spots that make up close inspections easier
- Weather and impact resistant
- A9R LED flashlight is a sleek stainless steel design and offers recharging capabilities. This is a go to penlight for serious technicians
- Tested and rated to ANSI/FL1 standards
- Rechargeable Batteries Included
- Stainless Steel
- 3 Hours run time
- Beam Distance (Meters): 65' (15.7 M)

Contents: (1) Flashlight, (1) AC Adapter, (1) DC Adapter, (1) Pro-Flex Charging Cap, (1) Pocket Clip

BK **A9R**

COAST
LIGHTS • KNIVES • MULTI-TOOLS

HP3R MICRO USB FLEX CHARGE PEN LIGHT

- LED is virtually unbreakable
- HP3R LED flashlight is the brightest penlight on the market. Flex charge dual system, either lithium or alkaline power
- High and Low power modes
- Using a Micro USB you can recharge the batteries in the light or quickly swap out to alkaline
- Twist focus beam
- Weather and impact resistant
- Tested and rated to ANSI/FL1 standards
- 2 AAA Rechargeable batteries required.
- Aluminum
- 3 Volt DC Rating
- 26 / 245 Lumens
- 16 Hours / 1 Hour 30 Mins Run time
- Adjustable Beam
- Beam Distance (Meters): 305' (93 M) / 101' (31 M)

Contents: (1) Flashlight, (1) Lithium Polymer Battery, (2) AAA Alkaline Batteries, (1) AC adapter, (1) DC Adapter, (1) USB Cable, (1) Pocket Clip

BK **HP3R**

PRIME-LITE
QUALITY • INNOVATION

POCKET PEN LIGHT

Spring Pocket Clip. 2 x AAA batteries included. Convenient pen size and features a spring pocket clip for easy transport. 1 Watt high-intensity bulb. 30 Lumens. 3 Volt DC. 8 Hour run time.

BK **24-492**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

TOUGH-LITE C.O.B. PIVOTING WORK LIGHT

3 x AAA batteries included. 180° Pivoting. Pivoting function allows directing light where it is required. Powerful twin magnet base and hanging hook allows hands-free use. COB design is brighter and consumes less than LED equivalent. 150 Lumens. 4.5 Volt DC. 8 Hour run time.

BK **24-326**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

C.O.B. PIVOTING WORK LIGHT

Built-in five LED flashlight. 3 x AA batteries included. 180° Pivoting function allows directing light where it is required. Powerful twin magnet base and 360° hook allows hands-free use. COB design is brighter and consumes less than LED equivalent. 220 Lumens.

BK **24-340**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

21 LED MINI PIVOTING WORK LIGHT

COB (Chip On Board) pivoting worklight. Pivoting function allows directing light where it is required. Powerful twin magnet base and 360° hook allows hands-free use. COB design is brighter and consumes less than LED equivalent. Magnetic back and base. 115 Lumens.

BK **24-400**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

CLIP-ON ZOOM FLASHLIGHT

Adjustable zoom for flood/focus effect. 3 x AAA batteries included. Dual clip design for stability. 90° Pivoting head function allows directing light where it is required. 2,500X focusing lens. Cree LED bulb. 150 Lumens. 4.5 Volt DC. 8 Hour run time.

BK **24-904**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

C.O.B. WORK LIGHT

Hanging hook. Magnetic back. 3 x AA batteries included. Grooved rubber anti-slip grip. Powerful magnetic base and hook allows hands-free use. COB design is brighter and consumes less than LED equivalent. 160 Lumens.

BK **24-321**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

ZOOM LIGHT

Adjustable zoom for flood/focus effect. 3 x AAA batteries included. 90° Pivoting head function allows directing light where it is required. Adjustable zooming for flood or focus use. 1 Watt high-intensity bulb. 70 Lumens. 4.5 Volt DC. 8 Hour run time.

BK **24-903**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRIME-LITE
QUALITY • INNOVATION

MULTI-TOOL KEYCHAIN WITH DETACHABLE LED FLASHLIGHT

- 1 LED Multi-Tool Keychain Light. Flashlight is detachable from key chain for quick use
- Phillips screwdriver
- Bottle opener
- Pocket Knife
- Flat head screwdriver
- 2 x CR927 batteries included

BK **24-852**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

Flashlights & Headlamps

What is C.O.B. Lightning?
C.O.B. (Chip on board) LED technology, differs from traditional LED in that instead of individual surface mounted diodes (SMDs) soldered to a circuit board and then mounted to a heat sink; the Wafers are cut into many tiny chips. These pieces of semiconductor crystal are bonded directly to the aluminum substrate allowing for maximum heat dissipation, and greater flexibility to design LEDs in new and more innovative shapes.

E-Z RED
Innovative products since 1966.

POCKET COB LIGHT STICKS
Pocket COB (Chips On Board) LED Pocket light stick has a weather resistant button, magnetic base and a super strong pocket clip. Operates on (3) AAA batteries. Extremely bright and has a 7 hour run time. Color: Red and black. 150 Lumens.
BK **770-1382**

EVERCRAFT

123 LUMENS

2-IN-1 LED WORK LIGHT
Features two high-output LED. Rare earth magnet on back for hands-free work. 360° swivel hook for added versatility. 42.5-ft. beam distance. 3.5-hour run time with (3) AAA batteries included.
BK **776-8064**
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COAST
LIGHTS • KNIVES • MULTI-TOOLS

FL75R MICRO USB FLEX CHARGE HEADLAMP
- LED is virtually unbreakable
- First button on headlamp shines an ultra-wide flood beam and can be adjusted to a long reaching spot beam with transition halo
- Dual power allows it to run on lithium pack or standard alkaline batteries
- Flex charge allows for the rechargeable battery pack to be charged inside or outside of the headlamp using a micro USB
- Includes reflective safety strap for additional safety benefits
- Second button enables a fixed red LED light to preserve night vision
- Weather and impact resistant
- Tested and rated to ANSI/FL1 standards
- (3) AAA Rechargeable batteries required
- Adjustable Beam
- Beam Distance (Meters): 177' (54 M) / 511' (156 M)
- 4.5 Volt DC Rating
- 65 / 530 Lumens
- Non-Rolling
- Run time (Hours): 11 Hours / 2 Hours 15 Mins

Contents: (1) Flashlight, (1) Lithium Battery Pack, (3) AAA Alkaline Batteries, (1) Reflective Safety Strap
BK **FL75R**

COAST
LIGHTS • KNIVES • MULTI-TOOLS

400 LUMEN HEADLAMP
Whether you want to put it on your hard hat or directly on your head, this headlamp provides a full field of view with a red beam option. The beam is optimal for illuminating large areas with its ultra-wide circular beam. The headlamp is extremely versatile as you can cycle through the high output, low output or red for anti-glare. With Coast's commitment to quality, this headlamp is impact resistant, weather resistant and its LED is virtually unbreakable.
- Wide angle flood beam optic
- Dual color white and red beam
- Tested and rated to ANSI/FL1 standards
- Hinged beam, allowing you to adjust the light's direction
- 400 Lumen
- 28 m beam distance

BK **HL45**

POWERCAP HATS
- (4) CR2032 coin cell batteries hidden in the band provide 43 hours of life
- Soft, moisture wicking lining will pull moisture away from your head and keep you warm and dry
- 4 LEDs provide more than 48 Lumens
- Combines Patented Ultra Bright LED technology with a premium compression fleece beanie style hat to provide you with the perfect hands-free flashlight
- 2 LED's angled down at 50°
- 2 LED's aimed forward to light the distance up to 42 ft. away

Item No.	Description
BK **CUBWB-4744N**	Camo
BK **CUBWB-4768N**	Black

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OPTILUMEN LED LIGHT LIFT KIT
Optilumen LED lift kit can supply a replacement for your fluorescent lamp of existing LED fixtures that delivers greater longevity and higher energy savings across the board.
- Removable components to easily remove debris
- Installs in less than 5 minutes with no tool required
- Magnetically back driver and strips for ease of installation
- No more treble light. Handsfree light for any auto or truck lift
- 277 V, 750 A

BK **LEDLIFTKIT-A**

EVEREADY

ENERGIZER® MAX BATTERIES

1½ volt.

Part No.	Description
BK **E96BP-2**	AAAA/Carded 2
BK **E91BP-4**	AA/Carded 4
BK **E91MP-8**	AA/Carded 8
BK **522BP-2**	9V/Carded 2
BK **E92BP-4**	AAA/Carded 4
BK **E93BP-2**	C/Carded 2
BK **E95BP-2**	D/Carded 2
BK **E95BP-4**	D/Carded 4
BK **522BP**	9V/Carded 1

BK **E96BP-2**

BK **E93BP-2**

EVEREADY

ENERGIZER® 3-VOLT LITHIUM BATTERIES

For electronic applications, including high-intensity LED flashlights. Pack of two.

BK **EL123APB2**

EVEREADY

ENERGIZER® N BATTERIES

Special application batteries for use with Balkamp flashlights and metered oil guns. Dependable and long-lasting. Pack of two.

BK **E90BP-2**

SOLAR

POWER INVERTERS

SOLAR industrial power inverters, featuring Sonic Compression Technology™, deliver clean, reliable power from a 12 Volt power source to a wide variety of power equipment and appliances. Peak Power Ratings meet initial load requirements when starting tools and appliances. Heat dissipating fans are temperature activated and turn on only when needed to reduce demand on the 12V power source. Features: overload protection, overheat protection, under voltage audible alarm, over/under voltage protection and short circuit protection.

500 WATT POWER INVERTER

- 500 Watts continuous power
- 1,000 Watts peak power
- 2 AC outlets
- 1 USB outlet
- Includes input leads with clamp set and input leads with 12V male adapter
- 1 Year Limited Warranty

SOR **PI5000X**

⚠ **WARNING: This product can expose you to chemicals including phenol and vinyl-chloride, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov**

1,000 WATT POWER INVERTER

- 1,000 Watts continuous power
- 2,000 Watts peak power
- 2 AC Outlets
- Mounting plate for fixed applications
- ETL-approved construction
- 1 Year Limited Warranty

SOR **PI10000X**

⚠ **WARNING: This product can expose you to chemicals including phenol and vinyl-chloride, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov**

1,500 WATT POWER INVERTER

- 1,500 Watts continuous power
- 3,000 Watts peak power
- 3 AC Outlets
- Power display
- Mounting plate for fixed applications
- ETL-approved construction
- 1 Year Limited Warranty

SOR **PI15000X**

⚠ **WARNING: This product can expose you to chemicals including phenol and vinyl-chloride, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov**

2,000 WATT POWER INVERTER

- 2,000 Watts continuous power
- 4,000 Watts peak power
- 3 AC outlets
- Individually switched outlets
- Power display
- Mounting plate for easy fixed mounting
- ETL-approved construction
- One year limited warranty

SOR **PI20000X**

⚠ **WARNING: This product can expose you to chemicals including phenol and vinyl-chloride, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov**

3,000 WATT POWER INVERTER

- 3,000 Watts continuous power
- 6,000 Watts peak power
- 3 AC outlets
- Individually switched outlets
- Junction block connection
- Remote switch
- Power display
- Mounting plate for easy fixed mounting
- ETL-approved construction
- One year limited warranty

SOR **PI30000X**

⚠ **WARNING: This product can expose you to chemicals including phenol and vinyl-chloride, which are known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov**

Cabinet Heaters 654
Convection 654
Fans 657-658
Forced Air Heaters 652-653
Heater 655
Portable Evaporative Coolers 655-656
Radiant Heaters 653-654
Waste Oil Heaters 652

Waste Oil & Forced Air Heaters

energylogic

WASTE OIL HEATER

EnergyLogic provides you a safe manner for recycling your existing used waste oil while reducing, and often eliminating heating bills, hauling risks and liability.

COMPLETE SYSTEMS (INCLUDES FURNACE, TANK AND FLUE KIT)

Furnace	BTUs	Heats Up To	10 Gal. Tank Item No.	250 Gal. Tank Item No.
EL-75H	75,000	1,750 Sq. Ft.	*EL* **11075104**	
EL-140	140,000	3,500 Sq. Ft.	—	*EL* **01140103**
EL-200	200,000	5,000 Sq. Ft.	—	*EL* **01200104**
EL-350	350,000	8,500 Sq. Ft.	—	*EL* **01350104**

MASTER

600,000 BTU KEROSENE/ DIESEL FORCED AIR HEATER

- Heats up to 15,000 sq. ft.
- Operates up to 9 hours on full tank (40 gal.) of fuel
- CSA certified to use K-1 kerosene, no. 1 and no. 2 diesel, JP8/ Jet A fuel
- Built-in thermostat with digital operating system
- 10 In. heavy-duty pneumatic wheels
- Safety shut-off system
- 1-year limited warranty

MHR **MH600TKFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

190,000 BTU KEROSENE/ DIESEL FORCED AIR HEATER

- Heats up to 4,750 sq. ft.
- Operates up to 9 hours on full tank (13 gal.) of fuel
- CSA certified for use with K-1 kerosene, No. 1 & No. 2 diesel, JP8/Jet A Fuel, No. 1 and No. 2 fuel oil
- Built-in thermostat with digital operating system
- No tools required handle assembly
- Safety shut-off system
- 1-year limited warranty

Multi-Fuel Use

MHR **MH190TKFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

400,000 BTU KEROSENE/ DIESEL FORCED AIR HEATER

- Heats up to 10,000 sq. ft.
- Operates up to 8 hours on full tank (24 gal.) of fuel
- CSA certified to use K-1 kerosene, no. 1 and no. 2 diesel, JP8/ Jet A fuel
- Built-in thermostat with digital operating system
- 10 In. heavy-duty pneumatic wheels
- Safety shut-off system
- 1-year limited warranty

MHR **MH400TKFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

140,000 BTU KEROSENE/ DIESEL FORCED AIR HEATER

- Heats up to 3,500 sq. ft.
- Operates up to 9 hours on full tank (10 gal.) of fuel
- CSA certified for use with K-1 kerosene, No. 1 & No. 2 diesel, JP8/Jet A Fuel, No. 1 and No. 2 fuel oil
- Built-in thermostat with digital operating system
- No tools required handle assembly
- Safety shut-off system
- 1-year limited warranty

Multi-Fuel Use

MHR **MH140TKFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER
THE PROFESSIONAL'S CHOICE SINCE 1953

80,000 BTU KEROSENE/ DIESEL FORCED AIR HEATER

- Heats up to 2,000 sq. ft.
- Operates up to 8 hours on full tank (5 gal.) of fuel
- CSA certified for use with K-1 kerosene, No. 1 & No. 2 diesel, JP8/Jet A Fuel, No. 1 and No. 2 fuel oil
- Easy assembly
- Built-in thermostat
- Safety shut-off system
- 1-year limited warranty

MHR **MH80TKFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

120/135/150,000 BTU GAS FORCED AIR HEATER

- Heats up to 3,800 sq. ft.
- Operates up to 18 hours on full 100 lb. propane tank
- Variable heat settings
- Continuous electronic ignition
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose and regulator included
- 1-year limited warranty

MHR **MH150VGFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

95/110/125,000 BTU GAS FORCED AIR HEATER

- Heats up to 3,125 sq. ft.
- Operates up to 22 hours on full 100 lb. propane tank
- Variable heat settings
- Continuous electronic ignition
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose & regulator included
- 1-year limited warranty

MHR **MH125VGFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

40/50/60,000 BTU GAS FORCED AIR HEATER

- Heats up to 1,500 sq. ft.
- Operates up to 10.5 hours on full 20 lb. propane tank
- Variable heat settings
- Continuous electronic ignition
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose & regulator included
- 1-year limited warranty

MHR **MH60VGFA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

25/28/32,000 BTU DOUBLE BURNER TANK TOP HEATER

- Heats up to 800 sq. ft.
- Operates up to 17.2 hours on low & 13.4 hours on high with full 20 lb. propane tank
- 3 heat settings
- Match light ignition
- Burners tilt & swivel to direct heat towards user
- Wind resistant
- Safety tip-over switch
- Hose & regulator included
- 1-year limited warranty

MHR **MH32TTC**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

12/14/16,000 BTU SINGLE BURNER TANK TOP HEATER

- Heats up to 400 sq. feet
- Operates up to 36 hours on low and 27 hours on high with full 20 lb. propane tank
- 3 heat settings
- Match light ignition
- Burner swivels to direct heat towards user
- Wind resistant
- Safety tip-over switch
- 1-year limited warranty

MHR **MH16TTC**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

125,000 BTU KEROSENE/DIESEL RADIANT HEATER

- Heats up to 3,125 sq. ft.
- Operates up to 16 hours on full tank (14 gal.) of fuel
- CSA certified for use with K-1 kerosene, No. 1 & No. 2 diesel, JP8/Jet A Fuel, No. 1 and No. 2 fuel oil
- 50% Less Noise than a comparable Forced Air Heater
- Heavy Duty Wheels for easy portability
- Safety Shut-off system
- 1-year limited warranty

MHR **MH125OFR**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

Radiant, Convection & Cabinet Heaters

MASTER

80,000 BTU KEROSENE/DIESEL RADIANT HEATER

- Heats up to 2,000 sq. ft.
- Operates up to 6 hours on full tank (4 gal.) of fuel
- CSA certified for use with K-1 kerosene, No. 1 & No. 2 diesel, JP8/Jet A Fuel, No. 1 and No. 2 fuel oil
- 50% Less Noise than a comparable Forced Air Heater
- Compact, easily portable design
- Safety Shut-off system
- 1-year limited warranty

MHR **MH80OFR**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

70/200,000 BTU GAS CONVECTION HEATER

- Heats up to 5,000 sq. ft.
- Operates up to 31 hours on low and 10.5 hours on high with full 100 lb. propane tank
- 2 heat settings
- Piezo ignition
- 360° Heating Radius
- Wind resistant
- Over-heat shut-off
- 10 Ft. Hose and regulator included
- 1-year limited warranty

MHR **MH200VLPCA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

45/60/80,000 BTU GAS CONVECTION HEATER

- Heats up to 1,800 sq. ft.
- Operates up to 36 hours on low and 27 hours on high with full 100 lb. propane tank
- 3 heat settings
- Piezo ignition
- 360° Heating Radius
- Wind resistant
- Over-heat shut-off
- 10 Ft. Hose and regulator included
- 1-year limited warranty

MHR **MH80VLPCA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

6/12/18,000 BTU PORTABLE CABINET HEATER

- Heats up to 450 sq. ft.
- Operates up to 69 hours on low & 23 hours on high with full 20 lb. propane tank
- 3 heat settings
- Piezo ignition
- Easily portable with 4 rolling casters (rear locking)
- Built-In ODS (Oxygen Depletion System) & safety tip-over switch
- Hose & regulator included
- 1-year limited warranty

MHR **MH18PNCHA**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

5,100 BTU ELECTRIC FAN HEATER

- 1,500 watts
- Heats up to 165 sq. ft.
- 1 Heat setting
- Thermostat Control
- Overheat Protection
- Fan Only Option
- Plug and Cable Included
- Easy Lift Handles
- 1-year limited warranty

MHR **MH515120**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

energylogic

VAL6 KBE5S-V RADIANT PORTABLE HEATER

Provides odorless heat, huge fuel savings, and quiet comfort. Indoor and outdoor approved.

- 111,000 BTU / hr
- Burns Diesel or Kerosene
- 10 hours operation on single 9 gallon tank
- Thermostat compatible
- Photocell flame monitor, 3A fuse, tip over sensor
- Power consumption 100W
- .85 gallon per hour fuel usage

EL **06001074**

energylogic

VAL6 DAYSTAR PORTABLE RADIANT & FORCED AIR HEATER

Ultra-portable at only 40 pounds, provides big heat in a small package. Indoor and Outdoor approved.

- 51,200 BTU / hr
- Burns Diesel or Kerosene
- 6 hours operation on single 2.6 gallon tank
- Thermostat compatible
- Overheat prevention system and tip over sensor
- Power consumption 120W
- 0.4 gallons per hour fuel usage

EL **06001075**

STANLEY

STANLEY® ST-222A-120, HEAVY-DUTY ELECTRIC HEATER, 1500 W

The STANLEY® electric fan heater has a 1500-watt capacity with two heat settings, and a fan only option. This upright heater with slim design delivers clean, quiet heat. Ideal for sheds, workbenches, and desks, the STANLEY electric heater is light weight, portable, and easy to use. It features an adjustable thermostat and a safety tip-over switch for safety.

- POWERFUL: 1500 Watt capacity heats up to 165 sq. feet.
- VERSATILE: Two (2) heat settings with adjustable thermostat let you choose how much heat you need.
- FAST HEAT: Heats up in seconds to heat your space.
- SMALL FOOTPRINT: Space saving design easily fits on a desk, workbench or anywhere in the home.
- SAFE: Built-in tip switch immediately turns off heater if is bumped from its base.
- TAKE IT WITH YOU: Comfortable built-in handle allows for easy carrying.
- LASTING QUALITY: Durable construction for any use.
- WHISPER QUIET: Balanced fan pushes warm air without noise.

Specifications:

Product Weight ..... 3 lbs.
Product Dimensions (L x W x H):..... 8.5" x 5" x 10"
Shipping Dimensions:(L x W x H): ..... 10" x 6" x 11"
Shipping Weight:..... 3.8 lbs.

MHR **ST-222A-120**

PORTACOOL
WHEN COMFORT COUNTS™

MADE IN USA
WITH DOMESTIC AND GLOBAL PARTS

PORTACOOL PORTABLE EVAPORATIVE COOLERS

Portacool portable evaporative coolers combine the ancient process of evaporative cooling with cutting-edge technology to provide fresh, cool air to areas we have historically deemed too difficult or expensive to cool in a sleek, easy-to-use, energy efficient package.

APPLICATIONS:

Garages	Shops	Manufacturing facilities
Warehouses	Work bays	Loading docks
Sports facilities	Agriculture (barns, stables)	Hospitality

JETSTREAM FEATURES:

Variable speed fan motor	Low water pump shut off	ELCI/GFCI plug
Dual water fill	Water control valve	
Liquid Level Indicator	One piece, crank and rust-proof housing	

PORTACOOL™ 510 PORTABLE EVAPORATIVE COOLER

- Sturdy, rubberized wheels for quiet movement
- Oscillating louvers
- Manual fill door (no hose connection)
- Kuul Comfort MicroTech™ evaporative media
- No assembly required

Specifications

Coverage Area (Sq. Ft.):.....300
Velocity (mph): 14
Dimensions (LxWxH): .....19" x 20" x 35"
Weight: ..... 35 lbs.
Air Flow Rate (CFM):.....757
Water Tank Capacity (gal):.....8
Warranty (electrical components):..... 1 year

POR **PAC5101A1**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

PORTACOOL JETSTREAM™ 230 PORTABLE EVAPORATIVE COOLER

- Step up your cooling game with this versatile evaporative cooler
- Perfect for cooling individual bays or work stations
- Oscillating louvers help delivered cooling where you need it most
- Kuul Comfort MicroTech™ evaporative media
- Low-water shutoff and cord wrap included

Specifications

Coverage Area (sq. ft.):.....900
Velocity (mph): 27
Dimensions (L X W X H):.....26.5" x 28.5" x 50"
Weight: .....108 lb
Air Flow Rate (CFM):.....3,600
Water Tank Capacity (gal):.....30
Warranty (electrical components):..... 3 year

POR **PACJS2301A1**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

PORTACOOL
WHEN COMFORT COUNTS™

MADE IN USA
WITH DOMESTIC AND GLOBAL PARTS

PORTACOOL JETSTREAM™ 220 PORTABLE EVAPORATIVE COOLER

- Powerful cooling in a compact size
- Perfect for cooling individual bays or work stations
- Oscillating louvers help delivered cooling where you need it most
- Kuul Comfort MicroTech™ evaporative media
- Low-water shutoff and cord wrap included

Specifications

Coverage Area (sq. ft.):	700
Velocity (mph):	30
Dimensions (L X W X H):	26.5" x 28.5" x 42"
Weight:	87 lb
Air Flow Rate (CFM):	2,400
Water Tank Capacity (gal):	20
Warranty (electrical components):	3 year

POR **PACJS2201A1**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

PORTACOOL JETSTREAM™ 250 PORTABLE EVAPORATIVE COOLER

- Perfectly sized to provide cooling power without a large foot print
- Cool larger groups of employees, use multiple to increase overall airflow or use as a versatile spot cooler
- Kuul Comfort™ evaporative media
- Low-water shutoff and cord wrap included

Specifications

Coverage Area (sq. ft.):	2,125
Velocity (mph):	24
Dimensions (L X W X H):	30" x 52" x 70"
Weight:	191 lb
Air Flow Rate (CFM):	8,500
Water Tank Capacity (gal):	55
Warranty (electrical components):	3 year

POR **PACJS2501A1**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

PORTACOOL JETSTREAM™ 260 PORTABLE EVAPORATIVE COOLER

- BEST SELLER!
- Ideal size for whole shop cooling
- Multiple products can be used to increase overall airflow
- Kuul Comfort™ evaporative media
- Low-water shutoff and cord wrap included

Specifications

Coverage Area (sq. ft.):	3,125
Velocity (mph):	25
Dimensions (L X W X H):	30" x 63" x 77"
Weight:	196 lb
Air Flow Rate (CFM):	12,500
Water Tank Capacity (gal):	60
Warranty (electrical components):	3 year

POR **PACJS2601A1**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

PORTACOOL JETSTREAM™ 270 PORTABLE EVAPORATIVE COOLER

- Amp up your cooling game with this large evaporative cooler
- Product can be used for whole shop cooling or multiple products can be used to increase overall airflow
- Kuul Comfort™ evaporative media
- Low-water shutoff and cord wrap included

Specifications

Coverage Area (sq. ft.):	5,625
Velocity (mph):	26
Dimensions (L X W X H):	36" x 78" x 90"
Weight:	278 lb
Air Flow Rate (CFM):	22,500
Water Tank Capacity (gal):	65
Warranty (electrical components):	3 year

POR **PACJS2701A1**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

Milwaukee

M18™ JOBSITE FAN

- Powerful 18V motor blows air up to 17 MPH delivers up to 284 CFM
- AC adapter included for all day run-time
- 3 Speed settings: high, medium, low
- Run Time: REDLITHIUM XC5.0 battery: provides up to 17 hours of run-time on low

Features

- Powerful airflow system: circulates air over 40 ft.
- 4 Keyhole hangers allow for multiple hanging orientations
- Adjustable head: 120° adjustable head and 9 stopping positions provide best control of airflow direction
- Compact & lightweight for easy storage and transportation
- Compatible with all M18 batteries
- Part of the M18™ System, featuring over 200+ tools

Warranty: 5 year limited tool warranty

Item No.	*MIL* **0886-20**
Volts	18
Speed Settings	3
CFM	284
Adjustable	120 degree adjustable head
Weight	5.2 lbs
Charger/Battaries	All M18 Batteries and Chargers
Includes	(1) M18™ Jobsite Fan (*MIL* **0886-20**) (1) AC Adapter

MASTER

48 IN. HIGH CAPACITY BARREL FAN

- Two-speed heavy duty motor
- 10,600-17,200 CFM airflow
- 1.5 HP motor
- Quiet, long-lasting belt drive design reduces vibrations and improves motor performance
- Heavy-duty solid wheels
- 9.5 Ft. power cord
- 1-year limited warranty

MHR **MAC48BDF**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

42 IN. HIGH-CAPACITY BARREL FAN

- Two-speed heavy duty motor
- 9,500-13,300 CFM airflow
- 1 HP motor
- Quiet, long-lasting belt drive design reduces vibrations and improves motor performance
- Heavy-duty solid wheels
- 9.5 Ft. power cord
- 1-year limited warranty

MHR **MAC42BDF**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

36 IN. HIGH CAPACITY BARREL FAN

- Two-speed heavy duty motor
- 7,300-10,200 CFM airflow
- ½ HP motor
- Quiet, long-lasting belt drive design reduces vibrations and improves motor performance
- Heavy-duty solid wheels
- 9.5 Ft. power cord
- 1-year limited warranty

MHR **MAC36BDF**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

30 IN. INDUSTRIAL HIGH-VELOCITY FAN

- Three (3) speed settings
- Up to 6,000 CFM airflow
- ⅓ HP industrial motor
- Swivel cart for easy portability and universal airflow
- 5 Ft. power cord
- 1-year limited warranty

MHR **MAC30BCT**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

24 IN. HIGH-VELOCITY DRUM FAN

- Two (2) speed settings
- Up to 4,000 CFM airflow
- ¼ HP industrial motor
- Swivel cart for easy portability and universal air direction
- 9 Ft. power cord
- 1-year limited warranty

MHR **MAC24DCT**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

MASTER

20 IN. HIGH VELOCITY FLOOR FAN

- Three-speed motor
- Up to 4800 CFM airflow
- ⅕ HP industrial motor
- Tilt-angle head for directional airflow control
- 1-year limited warranty

MHR **MAC20F**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

Fans

42 IN. DRUM FAN
- 0.5HP
- 586 Watts
- 5.5 Amp
- 4 Blade
- 2 Speed
- Wheels
- 15,400 Max CFM

BEP **FD42**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

36 IN. DRUM FAN
- 0.33HP
- 423 Watts
- 8.8 Amp
- 3 Blade
- 2 Speed
- Wheels
- 11,200 Max CFM

BEP **FD36**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

24 IN. DRUM FAN
- 0.17HP
- 220 Watts
- 1.96 Amp
- 3 Blade
- 2 Speed
- Wheels
- 7,700 Max CFM

BEP **FD24**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

18 IN. WALLMOUNT FAN
- 120 Volts, 60 Hz
- 7 Amp
- Rugged Hanging Bar
- Powder Coated Steel Frame
- 3 Blade Pull Chain
- Oscillating
- 10 ft. Ground Three-Prong Power Cord
- Enclosed, Dust Proof Energy Efficient Motor
- 3853 CFM

BEP **FW18**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

30 IN. HIGH-VELOCITY PEDESTAL FAN
- Three (3) speed settings
- Up to 6,000 CFM airflow
- 1/3 HP industrial motor
- Telescoping adjustable-height post
- Swivel head for airflow control
- 6 Ft. power cord
- 1-year limited warranty

MHR **MAC30P**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reporductive harm. For more information go to www.P65warnings.ca.gov.**

30 IN. PEDESTAL FAN
- 0.2HP
- 226 Watts
- 1.9 Amp
- 3 Blade
- Oscillating
- 2 Speed
- 8750 CFM

BEP **FP30**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

POWER BREEZER PORTABLE COOLING FAN

Power Breezers cool where no one else can. We cool people, not spaces. The Power Breezer helps cut the four hidden costs of heat by enabling you to reduce mistakes, improve productivity, create safe working environments and keep people happy. Power Breezers keep operations running at peak performance even in the hottest conditions. Compact, quiet and touch, it's ideal for warehouses, logistics, light manufacturing, construction, events and athletics.
- Cools where AC can not
- Oscillating head cools a wide area
- Easy access drain
- Power cord storage
- Heavy duty locking casters
- Lockable lid latch
- Durable and portable design head stores in tank when not in use
- 23 Inch blade diameter
- 8 Speed settings
- 73.5" H x 54" W

NSE **PB10-A-06-B**

Air Compressor Accessories 676-680
Air Compressor Packages 668-669
Air Compressors 670, 672-676
Air Compressors/Generator 674
Air Dryers 667, 670-671
Air Hose Couplers 696-697
Air Hose Reels & Accessories 691-692
Air Tanks 695
Air Tool Lead-In Hose 695
Cleaning Wands 696
Desiccant Dryers & Accessories 688
Filter, Regulator, Lubricator Parts & Accessories 689-690
Filters, Regulators & Lubricators 681-687
Hose Crimper & Air Hose Fittings 696-697
Hose Reels 693-694
Hoses 694
Industrial Air Compressors 663-666
Quiet Power Air Compressors 662
Rotary Screw Air Compressors 660-661

ROTARY SCREW AIR COMPRESSORS

READY TO RUN
NO START-UP KIT REQUIRED

Assembled in USA

5 YEAR WARRANTY

One year warranty standard, 5 year warranty available with site inspection. Typical site inspection fee is $500.00. Mileage limits apply.

The Heart Of The Compressor - Our rotary screw air ends operate more reliably and are much quieter than standard piston compressors

Drive Motor – We only use top of the line drive motors from WEG and Siemens

Whisper Quiet - Quiet operation reduces worker fatigue and increases installation possibilities

Basic Controller - The QP 10-15HP is managed by the ES4000 basic controller, an electronic control unit programmed for energy saving operation with intelligent shutdown. The ES4000 controller makes operation very simple with warning and service alarms.

- Icon based display with pressure and temperature settings/readings
- Running and working hours – Service warnings
- Element outlet temperature reading
- Automatic restart after voltage failure

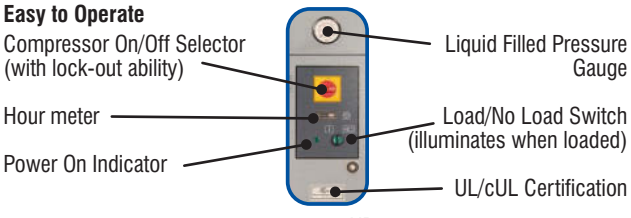
The Quiet Power Rotary Is Perfect For Your Shop's Air Needs

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Weight lbs.	Dimensions L	W	H
NAC **QP-05501T**	5	(1) 230	50	17	150	60 gal / Horizontal	485	56	22	50
NAC **QP-05501TD***	5	(1) 230	50	17	150	60 gal / Horizontal	565	56	22	50
NAC **QP-05503T**	5	(3) 208, 230, 460	30(208-230V) 15(460V)	17	150	60 gal / Horizontal	485	56	22	50
NAC **QP-05503TD***	5	(3) 208, 230, 460	30(208-230V) 15(460V)	17	150	60 gal / Horizontal	565	56	22	50
NAC **QP-07501T**	7.5	(1) 230	70	21	150	60 gal / Horizontal	490	56	22	50
NAC **QP-07501TD***	7.5	(1) 230	70	21	150	60 gal / Horizontal	570	56	22	50
NAC **QP-07503T**	7.5	(3) 208, 230, 460	40(208-230V) 20(460V)	21	150	60 gal / Horizontal	490	56	22	50
NAC **QP-07503TD***	7.5	(3) 208, 230, 460	40(208-230V) 20(460V)	21	150	60 gal / Horizontal	570	56	22	50
NAC **QP-10253T**	10	(3) 208, 230, 460	60(208-230V) 30(460V)	37	125	132 gal / Horizontal	845	73	24	58
NAC **QP-10253TD***	10	(3) 208, 230, 460	60(208-230V) 30(460V)	37	125	132 gal / Horizontal	920	73	24	58
NAC **QP-10503T**	10	(3) 208, 230, 460	60(208-230V) 30(460V)	33	150	132 gal / Horizontal	845	73	24	58
NAC **QP-10503TD***	10	(3) 208, 230, 460	60(208-230V) 30(460V)	33	150	132 gal / Horizontal	920	73	24	58
NAC **QP-15253T**	15	(3) 208, 230, 460	80(208-230V) 40(460V)	52	125	132 gal / Horizontal	885	73	24	58
NAC **QP-15253TD***	15	(3) 208, 230, 460	80(208-230V) 40(460V)	52	125	132 gal / Horizontal	960	73	24	58
NAC **QP-15503T**	15	(3) 208, 230, 460	80(208-230V) 40(460V)	47	150	132 gal / Horizontal	885	73	24	58
NAC **QP-15503TD***	15	(3) 208, 230, 460	80(208-230V) 40(460V)	47	150	132 gal / Horizontal	960	73	24	58

Shipped Ready to Run with factory fill of lubricant.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Easy to Operate



5 - 7.5 HP

*** Integrated Dryer - Part numbers ending with "D" include an integrated dryer system perfectly matched to the air delivery of your rotary screw air compressor**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Chicago Pneumatic

CHICAGO PNEUMATIC ROTARY SCREW AIR COMPRESSORS

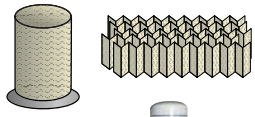
When You Need Clean, Dry, Abundant Compressed Air, INVEST in Chicago Pneumatic

Ideal for automotive repair and body shops, CP rotary screw compressors are built to provide reliable and efficient compressed air in a compact design.

5 YEAR WARRANTY

One year warranty standard, 5 year warranty available with site inspection. Typical site inspection fee is $500.00. Mileage limits apply.

High Efficiency Air Filter - Superior to the competition, the Quiet Rotary Power 20-30 uses a two stage encapsulated 2 micron filter that ensures oil quality, reduces operating costs and improves compressor life



Clean Air - The Air/Oil separation system is designed to provide low residual oil content (3 ppm) for the air leaving the compressor and utilizes quick change, spin-on separator & oil filters

High Efficiency Coolers – Coolers have been especially sized to the maximum temperatures of both air and oil fluids for higher performance and to increase compressor longevity

**** Integrated Dryer Included – Integrated dryer system perfectly matched to the air delivery of your rotary screw air compressor.**

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max* PSI	Tank Size/Type	Weight lbs.	Dimensions L	W	H
NAC **QRSM-20-125TM**	20	(3) 208, 230, 460	110(208-230V) 60(460V)	62.7	125	132 gal / Horizontal	655	77	27	58
NAC **QRSM-20-150TM**	20	(3) 208, 230, 460	110(208-230V) 60(460V)	59.9	150	132 gal / Horizontal	655	77	27	58
NAC **QRSM-20D-125TM****	20	(3) 208, 230, 460	110(208-230V) 60(460V)	62.7	125	132 gal / Horizontal	732	77	27	58
NAC **QRSM-20D-150TM****	20	(3) 208, 230, 460	110(208-230V) 60(460V)	59.9	150	132 gal / Horizontal	732	77	27	58
NAC **QRS-20-HPBM**	20	(3) 208, 230, 460	110(208-230V) 60(460V)	80	125	N/A	781	47	32	48
NAC **QRS-20-HPDBM****	20	(3) 208, 230, 460	110(208-230V) 60(460V)	80	125	N/A	944	67	32	48
NAC **QRS-20-HPTM**	20	(3) 208, 230, 460	110(208-230V) 60(460V)	80	125	132 gal / Horizontal	1,204	71	32	73
NAC **QRS-20-HPDTM****	20	(3) 208, 230, 460	110(208-230V) 60(460V)	80	125	132 gal / Horizontal	1,301	71	32	73
NAC **QRS-25-HPBM**	25	(3) 208, 230, 460	110(208-230V) 70(460V)	100	125	N/A	825	47	32	48
NAC **QRS-25-HPDBM****	25	(3) 208, 230, 460	110(208-230V) 70(460V)	100	125	N/A	988	67	32	48
NAC **QRS-25-HPTM**	25	(3) 208, 230, 460	110(208-230V) 70(460V)	100	125	132 gal / Horizontal	1,248	71	32	73
NAC **QRS-25-HPDTM****	25	(3) 208, 230, 460	110(208-230V) 70(460V)	100	125	132 gal / Horizontal	1,345	71	32	73
NAC **QRS-30-HPBM**	30	(3) 208, 230, 460	110(208-230V) 80(460V)	117	125	N/A	860	47	32	48
NAC **QRS-30-HPDBM****	30	(3) 208, 230, 460	110(208-230V) 80(460V)	117	125	N/A	1023	67	32	48
NAC **QRS-30-HPTM**	30	(3) 208, 230, 460	110(208-230V) 80(460V)	117	125	132 gal / Horizontal	1,283	71	32	73
NAC **QRS-30-HPDTM****	30	(3) 208, 230, 460	110(208-230V) 80(460V)	117	125	132 gal / Horizontal	1,380	71	32	73

**** Specify Max Pressure Setting. All QRS 20, 25 & 30 HP compressors are set to a standard max PSI of 125. If an alternate PSI is required please select the corresponding pressure change kit listed in the QP Pressure Conversion Kit Table Below.***

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

QRSM CONVERSION KIT

Item No.	Description	HP	ACFM
QRSM 20 CONVERSION KIT			
NAC **80-20M125150**	125 psi to 150 psi	20	60

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

QRS 20-30 HP PRESSURE CONVERSION KITS

Item No.	Description	HP	ACFM
QRS 20 CONVERSION KIT			
NAC **80-20125100**	125 psi to 100 psi	20	86
NAC **80-20125150**	125 psi to 150 psi	20	74
NAC **80-30125100**	125 psi to 175 psi	20	59
QRS 25 CONVERSION KIT			
NAC **80-20125175**	125 psi to 100 psi	25	108
NAC **80-25125100**	125 psi to 150 psi	25	89
NAC **80-30125150**	125 psi to 175 psi	25	78
QRS 30 CONVERSION KIT			
NAC **80-25125150**	125 psi to 100 psi	30	130
NAC **80-25125175**	125 psi to 150 psi	30	103
NAC **80-30125175**	125 psi to 175 psi	30	91

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Chicago Pneumatic

QP - QUIET POWER 5 & 7.5 HP AIR COMPRESSORS

Quiet Compressed Air System

Ideal for work environments where space is at a premium. The QP Compressors are built to provide the performance you have come to trust in a new extremely quiet package that can be installed in the work area. A piston air compressor with the noise level of a rotary screw provides exceptional value.

Features

- Low Sound Enclosure
- Low Oil Level Protection
- Automatic Tank Drain
- Magnetic Starter
- Integrated Aftercooler
- Cast Iron Cylinder
- 80 Gallon Vertical ASME/CRN Tank
- 100% Factory Tested at Full Pressure
- High Temperature Shut Down

High strength ABS enclosure and heat resistant foam offers superior sound reduction.

2 FULL YEAR WARRANTY

Assembled in USA

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **RCP-581VQP**	5.0	(1) 208-230	40	18.5	175	80 gal / Vertical	2	527	38	24	80
NAC **RCP-583VQP**	5.0	(3) 208-230	30	18.5	175	80 gal / Vertical	2	513	38	24	80
NAC **RCP-7581VQP**	7.5	(1) 208-230	60	25.3	175	80 gal / Vertical	2	549	38	24	80
NAC **RCP-7583VQP**	7.5	(3) 208-230	40	25.3	175	80 gal / Vertical	2	537	38	24	80

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

CARLYLE TOOLS by NAPA

THE CARLYLE® TWO-STAGE AIR COMPRESSOR

The Carlyle® two stage Professional Series compressors are ideally suited for repair shops, tire shops, auto body repair, dry cleaners, production operations, automated machinery, etc.

2 Year Warranty on Complete Machine

READY TO RUN
NO START-UP KIT REQUIRED

Assembled in USA

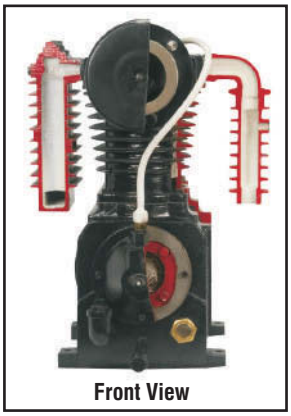
2 FULL YEAR WARRANTY

NAC **89-348NVAT**

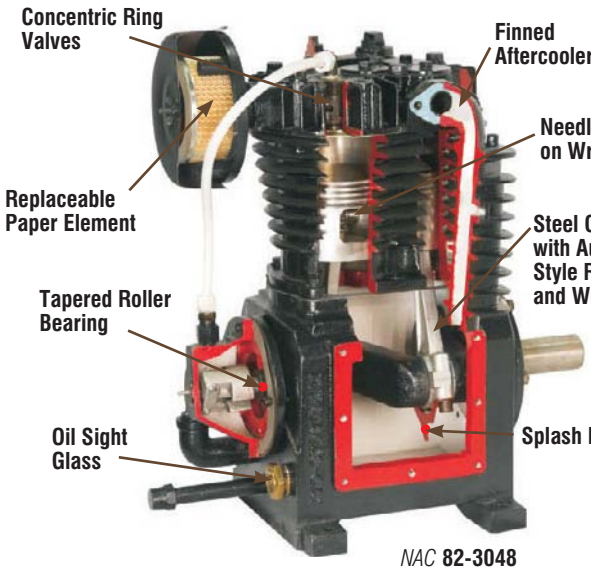
Carlyle® Cast Iron Air Compressor pumps are built to handle even the toughest job. With our low RPM design, these pumps will provide exceptional service and longevity. Two cylinder -7.5 HP and four cylinder 7.5-10 HP pumps are available.

Features

- All Cast Iron Design
- Finned Intercooler and Aftercooler
- Replaceable Ring Valves
- Automotive Style Connecting Rods and Rod Bearings
- Easy to View Oil Sight Glass
- Balanced Crankshaft
- Completely Rebuildable



Front View


Concentric Ring Valves
Finned Aftercooler
Needle Bearings on Wrist Pins
Replaceable Paper Element
Steel Connecting Rods with Automotive Style Rod Bearings and Wrist Pins
Tapered Roller Bearing
Oil Sight Glass
Splash Pin

NAC **82-3048**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Industrial Air Compressors

Low Oil Level Switch

NAC **89-378VATP**

Automatic Tank Drain

For optimal performance all Carlyle Premier air compressors come with Anti-Vibration Pads
4 of *NAC* **82-4670** Anti-Vibration Pad (Each) shown

PREMIER AIR COMPRESSOR

2 FULL YEAR WARRANTY

Assembled in USA

CARLYLE® PREMIER TWO-STAGE AIR COMPRESSORS

All Carlyle Premier Air Compressors are Full Featured models and include these standard features. Heavy duty cast iron low RPM pumps, Baldor electric motors, heavy duty sheet metal belt-guards, mounted and wired Magnetic Starters, Low Oil Level Switch, Cast Iron Aftercooler, Automatic Tank Drain and Anti-Vibration pads. All Carlyle 2 stage Industrial Air Compressors come with a full 2 Year Warranty.

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Wt. lbs.	Dimensions L	W	H
NAC **89-348VATP**	5.0	(1) 208-230	40	18	175	80 gal / Vertical	800	2	580	41	24	73
NAC **89-348VBTP***	5.0	(3) 208-230	30	18	175	80 gal / Vertical	800	2	575	41	24	73
NAC **89-368VATP**	7.5	(1) 208-230	60	23	175	80 gal / Vertical	900	2	585	37	24	72
NAC **89-368VBTP***	7.5	(3) 208-230	40	23	175	80 gal / Vertical	900	2	580	37	24	72
NAC **89-378VATP**	7.5	(1) 208-230	60	27	175	80 gal / Vertical	600	4	684	41	24	74
NAC **89-378VBTP***	7.5	(3) 208-230	40	27	175	80 gal / Vertical	600	4	674	41	24	74
NAC **89-309HBTP****	10	(3) 208-230	60	35	175	120 gal / Horizontal	800	4	790	75	27	51
NAC **89-309VBTP****	10	(3) 208-230	60	35	175	120 gal / Vertical	800	4	938	40	30	75

*** On site 460 volt conversion kit (*NAC* 89-460LAFI).**
**** On site 460 volt conversion kit (*NAC* 89-460HAFI).**
⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

CARLYLE TOOLS by NAPA

2 FULL YEAR WARRANTY

Assembled in USA

5 HP AIR COMPRESSORS

- Heavy Duty Cast Iron Low RPM Pump
- Precision machined valves
- Baldor Motor

4 of *NAC* **82-4670** Anti-Vibration Pad (Each) shown

For optimal performance all air compressors should be installed with Anti-Vibration Pads

NAC **89-346VAT**

NAC **89-348NVAT**

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **89-346VAT****	5.0	(1) 208-230	30	14	165	60 gal / Vertical	1,280	2	282	29	20	68
NAC **89-348NVAT***	5.0	(1) 208-230	40	18	175	80 gal / Vertical	800	2	575	41	24	73

*** No Magnetic starter required ** Cast Iron Cylinders**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DUPLEX AIR COMPRESSORS

PREMIER AIR COMPRESSOR

2 FULL YEAR WARRANTY

Assembled in USA

- Automatic tank drain
- low oil level monitor
- Cast Iron after-cooler
- Anti-Vibration pads
- Heavy Duty Cast Iron Pumps
- Up to 54 CFM on Single Phase / 70 on Three Phase
- Single Pump operation when air demand is low, providing energy savings
- Magnetic Starters and Alternator Mounted and Wired
- Two Pumps and Motors provide built in back up during repair or maintenance
- 208-230 Single Phase or Tri-Voltage Three Phase Baldor Motors
- Disc Valves
- Heavy Duty Sheet Metal Beltguards
- ASME tank and safety valves

NAC **89-2300HBTP**

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **89-2349HATP**	(2) 5.0	(1) 208-230	60	36	175	120 gal / Horizontal	800	2	1,068	79	27	53
NAC **89-2379HATP**	(2) 7.5	(1) 208-230	90	54	175	120 gal / Horizontal	600	4	1,182	79	27	51
NAC **89-2379HBTP**	(2) 7.5	(3) 208-230	60	54	175	120 gal / Horizontal	600	4	1,154	79	27	51
NAC **89-2379HBT46P**	(2) 7.5	(3) 460	30	54	175	120 gal / Horizontal	600	4	1,154	79	27	51
NAC **89-2309HBTP**	(2) 10	(3) 208-230	90	70	175	120 gal / Horizontal	800	4	1,286	79	27	51
NAC **89-2309HBT46P**	(2) 10	(3) 460	45	70	175	120 gal / Horizontal	800	4	1,286	79	27	51
NAC **89-2300HBTP**	(2) 10	(3) 208-230	90	70	175	200 gal / Horizontal	800	4	1,440	82	30	58
NAC **89-2300HBT46P**	(2) 10	(3) 460	60	70	175	200 gal / Horizontal	800	4	1,440	82	30	58

Factory Installed Option

Item No.	Description
NAC **82-230043**	Belt Guard Aftercooler (Duplex)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

AIR COMPRESSORS & ACCESSORIES

Industrial Air Compressors

CARLYLE TOOLS by NAPA

NAC **89-42508H**

NAC **89-1633GT**

NAC **89-1333GTH**

GAS DRIVE AIR COMPRESSORS

- Heavy Duty Cast Iron Low RPM Pump
- Disc Valves
- Pilot Unloader / Idle Control

Item No.	Engine CC/HP	Engine	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **89-42508H***	260/5	Honda	15.4	150	8T (2 x 4)	1250	2	143	50	29	37
NAC **89-1333GTH****	390/13	Honda	24	175	30 gal / Horizontal	900	2	490	45	21	42
NAC **89-1633GT****	480/16	B&S Vanguard	35	175	30 gal / Horizontal	800	4	586	48	22	43

*** Pull start only. **Electric and Recoil Start.**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CARLYLE® SINGLE-STAGE AIR COMPRESSORS

Carlyle Single Stage Air Compressors are ideal for home and light duty applications. **89-4254PAT** and **89-4256VAT** can be wired for 115 or 230V. Our cast iron cylinders, oversized ball bearings, balanced crank shafts, steel valves allow for smooth operation and long life.

NAC **89-4254PAT**

NAC **89-4256VAT**

Solid Cast Iron Cylinders
Oversized Main Bearings for long pump life
High Flow Belt Guards
Oil Sight Glass
Pressure Switch Start – Stop Controls
ASME Tank and Safety Valves

NAC **89-4276VAT**

Item No.	Motor HP	(Phase) Voltage	ACFM @ 90 PSI	Max PSI	Tank Size/Type	Pump RPM	Recommended Breaker Size	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **89-4254PAT**	2.0	(1) 115*	7.1	135	24 gal / Vertical	1,350	20	2	165	27	28	50
NAC **89-4256VAT**	2.0	(1) 115*	7.1	135	60 gal / Vertical	1,350	20	2	254	27	20	66
NAC **89-4276VAT**	3.5	(1) 230	12.4	135	60 gal / Vertical	1,285	30	2	261	27	20	66

*** Can be wired for 230V.**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

FLEXZILLA® PRO STATIONARY COMPRESSORS
-1 Year Parts and Labor Warranty
-Additional 5 Year Extented Parts Warranty

6-YEAR WARRANTY

FLEXZILLA® STATIONARY COMPRESSORS
-1 Year Parts and Labor Warranty
-Additional 3 Year Extented Parts Warranty

4-YEAR WARRANTY

QUIET TECHNOLOGY™

- **Quietest air compressors on the market**
- **Feature low RPM pumps and motors that reduce high frequency noise levels while increasing CFM output**

BK **FS05V080I1**

BK **FXS10V120V1**

Cool Flow Technology™
(Available on select models)

SILENCER.
Silencer™ Noise Suppression

ASSEMBLED IN USA
COMPRESSOR TANK MANUFACTURED IN USA

BK **FDRCF1150058**

FLEXZILLA® STATIONARY AIR COMPRESSORS

Quiet Technology™ - Using large, low-RPM pumps and motors to reduce high frequency noise levels while increasing CFM output. Because they run slower, Flexzilla compressors also run cooler for less tank condensation and longer component life.

Silencer™ - A patent pending noise suppression system should be changed to "A patented noise suppression system free of contamination. Flexzilla® Pro stationary air compressors also feature a timed water drain, belt tensioner, continuous run (dual control), a totally enclosed fan cooled motor, magnetic starter (pre-wired), ball valve crank case oil drain. Flexzilla stationary air compressors feature a manual water drain and an open drip proof (ODP) motor.

FLEXZILLA™ PRO REFRIGERATED AIR DRYERS

Flexzilla™ Pro Refrigerated Air Dryers continuously chill the compressed air from your compressors to condense and remove moisture, leaving only powerful, compressed air your pneumatic tools require for best performance.

Item No.	Motor HP	Phase	Voltage	Pressure Lubed	Recommended Breaker Size	CFM @ 90 PSI	Max PSI	Tank Size	Pump RPM	Pump Cyl	Wt. lbs.	Dimensions L	W	H
BK **FS05V080I1**	5.0	1-Phase	230	Yes	30	19	175	80 gal	680	2	806	48	45	83
BK **FXS07080V1**	7.5	1-Phase	208-230	Yes	40	33	175	80 gal	640	4	988	48	45	83
BK **F07V080V3208**	7.5	3-Phase	208	Yes	40	33	175	80 gal	640	4	988	48	45	83
BK **F07V080V3230**	7.5	3-Phase	230	Yes	40	33	175	80 gal	640	4	956	48	45	83
BK **FXS10V080V1**	10	1-Phase	208-230	Yes	60	39	175	80 gal	800	4	988	48	45	83
BK **F10V080V3208**	10	3-Phase	208	Yes	60	39	175	80 gal	800	4	988	48	45	83
BK **F10V080V3230**	10	3-Phase	230	Yes	60	39	175	80 gal	800	4	988	48	45	83
BK **FXS10V120V1**	10	1-Phase	208-230	Yes	60	39	175	120 gal	800	4	1200	48	46	88
BK **F10V120V3208**	10	3-Phase	208	Yes	60	39	175	120 gal	800	4	1200	48	46	88
BK **F10V120V3230**	10	3-Phase	208	Yes	60	39	175	120 gal	800	4	1200	48	46	88
BK **FDRCF1150030**	n/a	n/a	115	n/a	n/a	n/a	n/a	n/a	n/a	n/a	110	16	18	24
BK **FDRCF1150058**	n/a	n/a	115	n/a	n/a	n/a	n/a	n/a	n/a	n/a	120	24	19	30

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Air Compressor Packages

Ingersoll Rand

INGERSOLL RAND TWO-STAGE RECIPROCATING AIR COMPRESSORS

Ingersoll Rand, the world leader in air power, brings industrial-class, two-stage compressors to automotive applications. Featuring a cast-iron pump with splash lubrication for efficient operation and easy serviceability, this new range delivers non-stop performance and reliability for commercial or automotive service applications. Type 30 compressors have been designed to generate maximum air output at 175 psi, with more than 10,000 hours of durability.

IR **45465267**

IR **46818654**

VALUE PACKAGED MODELS

- 100% cast iron cylinder head with deep-groove directional cooling fins
- High-efficiency stainless steel valves
- Oversized industrial-grade bearings for extended pump life
- High-efficiency intercooler
- 100% cast iron pump
- High-efficiency inlet air filter with sound attenuation baffles
- Balanced pistons for maximized efficiency and minimized vibration
- Oversized cast-iron balanced belt wheel to allow continuous-duty operation
- Two-year pump warranty with purchase of start-up kit+A7

Item No.	Description	IR Model	Volts-Phase-Hertz	Start-Up Kit Model Needed	Breaker Size Needed	Pump Rpm	Weight	Dimensions (In)		
								L	W	H
IR **45464922**	5 HP Value Package, 60 gal. Vertical, 14.8 CFM, 175 PSI	2340L5-V	230-1	*IR* **32305880**	60 amp	1575	400	20	33	69
IR **45464930**			200-3		60 amp	1575	400	20	33	69
IR **45464955**			230-3-60		35 amp	1575	400	20	33	69
IR **45464963**			460-3-60		30 amp	1575	400	20	33	69
IR **45465010**	5 HP Value Package, 80 gal. Vertical, 14.8 CFM, 175 PSI	2340N5-V	230-3-60	*IR* **32305880**	35 amp	1575	475	24	33	69
IR **45464989**			230-1		60 amp	1575	475	24	33	69
IR **45465028**			460-3-60		30 amp	1575	475	24	33	69
IR **45464997**			200-3		60 amp	1575	475	24	33	69
IR **45465101**	5 HP, 80 gal., Vertical 2 Stage	2475N5-V	230-1	*IR* **32305880**	60 amp	1040	500	26	38	70
IR **45465135**			230-3-60		35 amp	1040	500	26	38	70
IR **45465143**			460-3-60		30 amp	1040	500	26	38	70
IR **45465119**			200-3		60 amp	1040	500	26	38	70
IR **45465432**	7.5 HP Value Package, 80 gal. Vertical, 25 CFM, 175 PSI	2475N7.5-V	230-3-60	*IR* **32305880**	60 amp	1500	500	26	38	70
IR **45465408**			230-1		80 amp	1500	500	26	38	70
IR **45465440**			460-3-60		35 amp	1500	500	26	38	70
IR **45465416**			200-3		80 amp	1500	500	26	38	70
IR **45465721**	10 HP, 120 gal., Horizontal 2 Stage	2545E10-V	230-3-60	*IR* **32305898**	80 amp	1050	835	72	30	56
IR **45465739**			460-3-60		40 amp	1050	835	72	30	56
IR **45465705**			200-3		100 amp	1050	835	72	30	56
IR **45465770**	10HP, 120 gal., Vertical 2 Stage	2545K10-V	230-3-60	*IR* **32305898**	80 amp	1050	835	44	32	82
IR **45465788**			460-3-60		40 amp	1050	835	44	32	82
IR **45465754**			200-3		100 amp	1050	835	44	32	82
IR **45466125**	15HP, 120 gal., Horizontal 2 Stage	7100E15-V	230-3-60	*IR* **32305898**	100 amp	1100	1035	72	30	56
IR **45466133**			460-3-60		60 amp	1100	1035	72	30	56
IR **45466109**			200-3		120 amp	1100	1035	72	30	56
Value Packaged Duplex Air Compressors										
IR **45465341**	2-Stage Recip Duplex 5HP 120 Horizontal gal.	2-2475E5-V	200-3-60	2 X *IR* **32305880**	100 amp	1040	1265	85	35	49
IR **45465358**			230-3-60		80 amp	1040	1265	85	35	49
IR **46818639**			460-3-60		60 amp	1040	1265	85	35	49
IR **45465648**	2-Stage Recip Duplex 7.5HP 120 Horizontal gal.	2-2475E7.5-V	200-3-60	2 X *IR* **32305880**	120 amp	1500	1265	85	35	49
IR **45465655**			230-3-60		100 amp	1500	1265	85	35	49
IR **46818654**			460-3-60		80 amp	1500	1265	85	35	49
IR **45466000**	2-Stage Recip Duplex 10HP 120 Horizontal gal.	2-2545E10-V	200-3-60	2 X *IR* **32305898**	180 amp	1050	1560	76	47	57
IR **45466018**			230-3-60		150 amp	1050	1560	76	47	57
IR **46818670**			460-3-60		80 amp	1050	1560	76	47	57

Ingersoll Rand

VALUE PLUS PACKAGED MODELS

For applications that demand a heavier-duty cycle. Step up to this enhanced version of our base package. It is ideal for light industry applications. The Value Plus Package comes factory-fitted with options for unmatched reliability in most diversified applications

- 100% Cast-Iron Pump for durability
- 100% Continuous Duty Rating
- Designed to run 24 hours a day
- Two-year pump warranty with purchase of IR start-up kit
- 175 Maximum PSI for greater storage capabilities
- Magnetic starter
- ASME rated Storage Tank
- Auto Start & Stop Control
- Electronic Drain Valve
- Air-cooled After-cooler
- Nation-wide Service Coverage

Item No.	Description	IR Model	Volts-Phase-Hertz	Start-Up Kit Model Needed	Breaker Size Needed	Pump Rpm	Weight	Dimensions (In) L	W	H
IR **45465820**	10 HP Value Package, 120 gal. Horizontal, 35 CFM, 175 PSI	2545E10-VP	230-3-60	*IR* **32305898**	80 amp	1050	850	72.0	30.0	56.0
IR **45465838**			460-3-60		40 amp	1050	850	72.0	30.0	56.0
IR **45465804**			200-3		100 amp	1050	850	72.0	30.0	56.0
IR **45465879**	10 HP Value Package, 120 gal. Vertical, 35 CFM, 175 PSI	2545K10-VP	230-3-60	*IR* **32305898**	80 amp	1050	850	44.0	32.0	82.0
IR **45465887**			460-3-60		40 amp	1050	850	44.0	32.0	82.0
IR **45465853**			200-3		100 amp	1050	850	44.0	32.0	82.0

PREMIUM (FULL) PACKAGES

In addition to the features on our Value Packages, the Premium Package models include:

- Air-cooled aftercooler to help remove additional moisture
- Low oil protection switch to prevent pump from running dry
- Electronic drain valve- automatically drains water from compressor tank
- Magnetic motor starter

Item No.	Description	IR Model	Volts-Phase-Hertz	Start-Up Kit Model Needed	Breaker Size Needed	Pump Rpm	Weight	Dimensions (In) L	W	H
IR **45465226**	5 HP Premium Package, 80 gal. Vertical, 14.8 CFM, 175 PSI	2475N5-P	230-1	*IR* **32305880**	60 amp	1040	550	26.0	38.0	70.0
IR **45465234**			200-3		60 amp	1040	550	26.0	38.0	70.0
IR **45465259**			230-3-60		35 amp	1040	550	26.0	38.0	70.0
IR **45465267**			460-3-60		30 amp	1040	550	26.0	38.0	70.0
IR **45465556**	7.5 HP Premium Package, 80 gal. Vertical, 25 CFM, 175 PSI	2475N7.5-P	230-3-60	*IR* **32305880**	60 amp	1500	550	26.0	38.0	70.0
IR **45465523**			230-1		80 amp	1500	550	26.0	38.0	70.0
IR **45465564**			460-3-60		35 amp	1500	550	26.0	38.0	70.0
IR **45465531**			200-3		80 amp	1500	550	26.0	38.0	70.0
IR **45465929**	10 HP Premium Package, 120 gal. Horizontal, 35 CFM, 175 PSI	2545E10-P	230-3-60	*IR* **32305898**	80 amp	1050	850	72.0	30.0	56.0
IR **45465937**			460-3-60		40 amp	1050	850	72.0	30.0	56.0
IR **45465903**			200-3		100 amp	1050	850	72.0	30.0	56.0
IR **45465978**	10 HP Premium Package, 120 gal. Vertical, 35 CFM, 175 PSI	2545K10-P	230-3-60	*IR* **32305898**	80 amp	1050	850	44.0	32.0	82.0
IR **45465986**			460-3-60		40 amp	1050	850	44.0	32.0	82.0
IR **45465952**			200-3		100 amp	1050	850	44.0	32.0	82.0
IR **45466224**	15 HP Premium Package, 120 gal. Horizontal, 50 CFM, 175 PSI	7100E15-P	230-3-60	*IR* **32305898**	100 amp	1100	1050	72.0	30.0	56.0
IR **45466208**			200-3		120 amp	1100	1050	72.0	30.0	56.0
IR **45466232**			460-3-60		60 amp	1100	1050	72.0	30.0	56.0
Premium Packaged Duplex Compressors										
IR **45465374**	2-Stage Recip Duplex 5HP 120 Horizontal gal.	2-2475E5-P	200-3-60	**2 X** *IR* **32305880**	100 amp	1040	1300	85.0	35.0	49.0
IR **45465382**			230-3-60		80 amp	1040	1300	85.0	35.0	49.0
IR **46818647**			460-3-60		60 amp	1040	1300	85.0	35.0	49.0
IR **45465671**	2-Stage Recip Duplex 7.5HP 120 Horizontal gal.	2-2475E7.5-P	200-3-60	**2 X** *IR* **32305880**	120 amp	1500	1300	85.0	35.0	49.0
IR **45465689**			230-3-60		100 amp	1500	1300	85.0	35.0	49.0
IR **46818662**			460-3-60		80 amp	1500	1300	85.0	35.0	49.0
IR **45466034**	10 HP Two Stage Duplex Premium Package, 120 gal. Vertical, 70 CFM, 175 PSI	2-2545E10-P	200-3-60	**2 X** *IR* **32305898**	180 amp	1050	1600	76.0	47.0	57.0
IR **45466042**			230-3-60		150 amp	1050	1600	76.0	47.0	57.0
IR **46818688**			460-3-60		80 amp	1050	1600	76.0	47.0	57.0

Ingersoll Rand

IR **23231822** & *IR* **23231830**

IR **23231848**

IR **49813009**

AIR COMPRESSOR ELECTRIC DRYER

- Easy to use, advanced micropro-cessor
- Reliable solenoid operated drain valve
- Low pressure drop design
- Variable speed fan for stable dew point control and reduced power consumption
- Environmentally friendly refrigerant
- Corrosion resistant heat exchangers

IR **23231855**

Item No.	Description
IR **23231822**	D42in-rfg - Air Dryer
IR **23231830**	D54in-rfg - Air Dryer
IR **23231848**	D72in-rfg - Air Dryer
IR **23231855**	D108in-rfg - Air Dryer

INGERSOLL RAND GAS PORTABLE AIR COMPRESSOR

Ingersoll Rand gas engine wheelbarrow air compressors are lightweight with a low-profile design providing maximum maneuverability on the job site. Quiet and portable air source provides convenience and power. Built to last, these cast-iron, oil-lube compressors are designed for the toughest 100% continuous duty applications. Includes pressure switch, regulator and gauge.

Item No.	Description	IR Model	Start-Up Kit Model Needed
IR **49813009**	5.5 HP, 11.8 CFM At 90 PSI	SS3J5.5GHWB	*IR* **97339501**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

AIR COMPRESSOR OIL 1L

Ingersoll Rand all season select lubricant is a synthetic, all-temperature blend that is designed to increase efficiency, reduce wear and prevent carbon buildup. It performs four times longer than petroleum-based lubricants. Recommended 2,000 hours of service between lubricant change-out under normal operating conditions.

IR **38436721**

START-UP KITS FOR AIR COMPRESSORS

Start-up kits include all the parts needed to maintain your compressor for one year, plus the added protection of extended warranty coverage.

Includes

- All-Season Select® lubricant – a synthetic, all-temperature blend designed to increase efficiency, reduce wear and prevent carbon build-up
- Replacement filter elements
- Engine oil and filters are also included in kits for gas-driven compressors
- 2-Year extended warranty (pump only) based on use of All-Season Select® lubricant included in kit

Item No.	Description
IR **32305880**	Electric Start-Up Kit, 2340, 2475
IR **32305898**	Electric Start-Up Kit, 2545, 7100, 2525N7.5-PS, 7100E10-PS
IR **32312936**	Gas Start-Up Kit, Kohler
IR **46821567**	Gas Start-Up Kit, Honda

IR **32305880**

NAPA® REFRIGERATED COMPRESSED AIR DRYERS

Designed specifically for use with compressed air systems to extend the life of tools and equipment in shop and industrial settings. A NAPA® Refrigerated Compressed Air Dryer added to your air system will, over time, pay for itself by eliminating water vapor from the line and extending the life of your tools and equipment. Water vapor removal is important to all shop air systems, but essential for paint and body shops where moisture can ruin paint finish. Only Environmentally friendly R134a refrigerant is used in NAPA® Refrigerated Compressed Air Dryers.

VARIABLE FLOW REFRIGERATED COMPRESSED AIR DRYERS

The Variable Flow line is focused on reliable, constant dew point in all flow conditions. With its excellent heat transfer coefficients and low pressure drop, these dryers provide unparalleled performance for protecting your compressed air system, machinery, tools and working processes.

- Patented multi-stage separator for consistent dew point even at low flows
- 98%+ separation efficiency throughout the entire flow range
- Ozone-safe R134A refrigerant
- Refrigerant analyzer gauge
- Lightweight and compact design
- Integral precooling and reheating of compressed air for high efficiency and low energy consumption
- Heavy-duty industrial powder coated cabinet

The variable flow line is focused on reliable, constant dew point performance in all flow conditions. Must be a minimum of 30 feet from compressor.

Item No.	Capacity* (CFM)	Minimum Circuit Amps	Voltage (Phase)	Designed/Max. Inlet Temperature	Connection (In. NPT)	Dimensions H x W x D (In)	Weight (lbs.)
NAC **82-0010**	10	5.2	115 (1)	100°/140°F	1/2	15 x 16 x 16	71
NAC **82-0015**	15	5.2	115 (1)	100°/140°F	1/2	15 x 16 x 16	74
NAC **82-0025**	25	5.2	115 (1)	100°/140°F	1/2	15 x 16 x 16	76
NAC **82-0040**	40	6.9	115 (1)	100°/140°F	3/4	15 x 16 x 16	78
NAC **82-0150**	50	6.9	115 (1)	100°/140°F	3/4	15 x 16 x 16	80
NAC **82-0160**	60	9.7	115 (1)	100°/140°F	3/4	16 x 16 x 16	102
NAC **82-0175**	75	9.7	115 (1)	100°/140°F	1	22 x 24 x 18	124
NAC **82-01100**	100	13.6	115 (1)	100°/140°F	1	22 x 24 x 18	138
NAC **82-01125**	125	18.3	115 (1)	100°/140°F	1	22 x 24 x 18	156
NAC **82-01150**	150	18.3	115 (1)	100°/140°F	1	22 x 24 x 18	162
NAC **82-01200**	200	14.8	208/230 (1)	100°/140°F	1 1/2	30 x 36 x 25	240

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

*** Capacity rated in accordance with CAGI ADF 100 @ 100 PSIG, 100° ambient and PDF of 38°F**

HIGH INLET TEMPERATURE REFRIGERATED COMPRESSED AIR DRYERS

The NAPA® High Inlet Temperature Refrigerated Air Dryers have been designed specifically for use with smaller air compressors that typically do not incorporate an aftercooler. These dryers can accept compressed air up to a temperature of 250°F and provide clean dry air at the outlet.

- Allows inlet temperatures of up to 205°F
- Ozone-safe R134A refrigerant
- No air-cooled aftercooler required
- Designed dew point range 50°F and 38°F
- Compact and efficient design
- Automatically removes and discharges moisture
- Heavy-duty industrial powder coated cabinet

The NAPA High Inlet Temperature Refrigerated Air Dryers are specifically designed for use with smaller air compressors that typically do not incorporate an aftercooler. Can be installed near the compressor.

Item No.	Capacity* (CFM)	Minimum Circuit Amps	Voltage (Phase)	Designed/Max. Inlet Temperature	Connection (In. NPT)	Dimensions H x W x D (In)	Weight (lbs.)
NAC **82-0220**	20	9.9	115 (1)	180°/205°F	1/2	15 x 16 x 16	95
NAC **82-0240**	40	13.6	115 (1)	180°/205°F	1	22 x 24 x 18	125
NAC **82-0250**	50	13.6	115 (1)	180°/205°F	1	22 x 24 x 18	140
NAC **82-0275**	75	18.3	115 (1)	180°/205°F	1	22 x 24 x 18	240
NAC **82-02100**	100	18.3	115 (1)	180°/205°F	1 1/2	30 x 36 x 25	330
NAC **82-02125**	125	14.8	208/230 (1)	180°/205°F	1 1/2	30 x 36 x 25	360

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

*** Capacity rated @ 175 PSIG, 180° inlet, 100° ambient and PDF of 50°F. Ambient inlet temperature range: 35°F - 120°F. Maximum inlet air temperature: 205°. System air pressure range: 30-200 PSIG.**

Contact your NAPA® Auto Parts Store for an application guide showing details about which dryers are best suited for your shop air system.

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Air Compressors

IR **46821344**

IR **45466067**

TWO-STAGE GAS-POWERED AIR COMPRESSORS

Ingersoll Rand's two-stage gasoline engine driven air compressors are designed to provide compressed air where electric power is not readily available. They're used in fleet and field service applications, remote pneumatic applications and emergency production lines.

- Available with easy-starting Honda or Kohler engines
- Fuel-efficient idle control
- Advanced safety features including low oil level shutdown for gas engines

Benefits

- Maximum air power delivers the capacity to do the job right and in less time
- 100% continuous duty for the toughest applications
- Maximum discharge pressure of 175 psi
- Extended pump life
- Durable 100% cast-iron construction
- Built for over 15,000 hours of trouble-free use
- Reliable precision-engineered components
- Extended two-year warranty with use of Ingersoll Rand's All Season Select® synthetic lubricant

Item No.	Description	IR Model	Start-Up Kit Model Needed	Weight	Dimensions (In)		
					L	W	H
IR **46821344**	14 HP 30 gal. Horizontal Kohler Gas Drive, 25 CFM, 175 PSI	2475F14G	*IR* **46821567**	424	44.0	22.0	46.0
IR **45466067**	13 HP 30 gal. Horizontal Honda Gas Drive, 25 CFM, 175 PSI	2475F13GH	*IR* **32312936**	430	44.0	22.0	41.0

HAND CARRY COMPRESSORS

1 Gallon, 135 Max PSI, Trim Compressor

4 Gallon, 125 Max PSI, Stacked Tank Compressor

	DEW **D55140**	*DEW* **D55151**
	Oil-Free	***Oil-Lube***
Tank/Max PSI	1 Gallon / 135 PSI Max	4 Gallon / 125 PSI Max
SCFM@90 PSI	.75 scfm	3.4 scfm
Pump Type	Belt Drive Oil-Free	Direct Drive Oil-Lube
Amp Draw/Voltage	2.6A, 120V	14A, 120V
Motor Type	Permanent Magnet	Induction
HP	0.3 Continuous HP	1.1 Continuous HP
Noise Level	71.5 dBA	83.0 dBA
Includes	—	DEWALT compressor oil

CORDLESS AIR COMPRESSOR

60V MAX* Cordless Air Compressor Kit

Item No.	*DEW* **DCC2560T1**
Drain Valve Type	Ball Drain Valve
Horsepower	0.4
Max Tank Storage	135 psi
Number of Couplers	1
Power Tool Type	Oil Free
SCFM @ 40 PSI	1.5
SCFM @ 90 PSI	1.2
Style	Hand Carry
Tank Size	2.5 gallon
Includes	*DEW* **DCC2560** Cordless Air Compressor, (1) *DEW* **DCB606** FLEXVOLT® Lithium Ion Battery, Fast Charger

WHEELED PORTABLE - OIL-FREE COMPRESSORS

	4.5 Gallon, 200 Max PSI, Jobsite Compressor	5 Gallon, 200 Max PSI, Horizontal Workshop Compressor	15 Gallon, 200 Max PSI, Vertical Workshop Compressor
	DEW **D55146**	*DEW* **D55167**	*DEW* **D55168**
Tank/Max PSI	4.5 Gallon / 200 PSI Max	15 Gallon / 200 PSI Max	15 Gallon / 200 PSI Max
SCFM@90 PSI	5.0 scfm	5.0 scfm	5.0 scfm
Pump Type	Belt Drive Oil-Free	Belt Drive Oil-Free	Belt Drive Oil-Free
Amp Draw/Voltage	15A, 120V	15A, 120V	15A, 120V
Motor Type	Universal	Universal	Universal
HP	1.6 Continuous HP	1.6 Continuous HP	1.6 Continuous HP
Noise Level	78.5 dBA	78.5 dBA	78.5 dBA

FLEXZILLA® 2 HP, 10 GAL. PORTABLE AIR COMPRESSOR

Let's face it, standard air compressors are loud. All this noise interfered with workplace communication, lowers productivity on the job, and increases risk of hearing loss. Fortunately, Flexzilla® brings quiet back to the workplace with Quiet Technology™. Emitting operating noise no louder than a normal conversation, Flexzilla air compressors feature low RPM pumps and motors that reduce high frequency noise levels.

- Low RPM, twin cylinder pump
- Oil-free pump reduces maintenance
- Industrial grade pump features premium components and copper windings that outlast aluminum
- 10 Gallon capacity
- Single Stage

Contents: (2) Quick-connect universal brass couplers, pressure regulator and gauge, tank pressure gauge, manual tank drain, elastomeric ergonomic grip, 6 ft. power cord, 14/3 SJT

BK **CB20100F**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

FLEXZILLA® 2 HP, 20 GAL. PORTABLE AIR COMPRESSOR

Let's face it, standard air compressors are loud. All this noise interfered with workplace communication, lowers productivity on the job, and increases risk of hearing loss. Fortunately, Flexzilla® brings quiet back to the workplace with Quiet Technology™. Emitting operating noise no louder than a normal conversation, Flexzilla air compressors feature low RPM pumps and motors that reduce high frequency noise levels.

- Low RPM, twin cylinder pump
- Oil-free pump reduces maintenance
- Industrial grade pump features premium components and copper windings that outlast aluminum
- 20 Gallon capacity
- Single Stage

Contents: (2) Quick-connect universal brass couplers, pressure regulator and gauge, tank pressure gauge, manual tank drain, elastomeric ergonomic grip, 6 ft. power cord, 14/3 SJT

BK **CB20200F**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

FLEXZILLA® 1 HP, 5 GAL. PORTABLE AIR COMPRESSOR

Let's face it, standard air compressors are loud. All this noise interfered with workplace communication, lowers productivity on the job, and increases risk of hearing loss. Fortunately, Flexzilla® brings quiet back to the workplace with Quiet Technology™. Emitting operating noise no louder than a normal conversation, Flexzilla air compressors feature low RPM pumps and motors that reduce high frequency noise levels.

- Low RPM, twin cylinder pump
- Oil-free pump reduces maintenance
- Industrial grade pump features premium components and copper windings that outlast aluminum
- 5 Gallon capacity
- Single Stage

Contents: (2) Quick-connect universal brass couplers, pressure regulator and gauge, tank pressure gauge, manual tank drain, elastomeric ergonomic grip, 6 ft. power cord, 14/3 SJT

BK **CF10050F**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Air Compressors/Generator

MI-T-M® AIR COMPRESSOR/GENERATOR

The Mi-T-M air compressor/generator combination unit is two pieces of equipment in one convenient machine. Customers are able to use this machine to power lights and fans, as well as run air and electric tools on the same jobsite. These units are built to suit any customer's needs.

- Engine: 420cc Mi-T-M OHV gasoline engine, recoil start
- Compressor pump: Two Stage Cast iron with stainless steel braided discharge hose, large canister intake filter and oil level sight indicator
- Generator: Brushless alternator, total harmonic distortion less than 5% and 100% copper windings
- Frame: Base mount design (no tank), $^{3}/_{16}$-inch baseplate to reduce vibration and 16-gauge powder coated two-piece belt guard

BK **AG2-SM14-B**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

MI-T-M® AIR COMPRESSOR/GENERATOR/WELDER

Dependability of high-quality equipment is vital in every industry, so is working with equipment that can save both time and money. The combination air compressor, generator, and stick welder are the ideal tool for field repairs in remote locations. Save room on your service truck with this versatile all-in-one solution.

- Engine: 420cc Mi-T-M OHV gasoline engine, recoil & electric start (battery not included)
- Compressor pump: Two Stage cast iron with stainless steel braided discharge hose, large canister intake filter and oil level sight indicator
- Generator: Brush-type 2 pole 120V/240V alternator, total harmonic distortion less than 6% and 100% copper windings
- Frame: Base mount design (no tank), 16-gauge powder coated two-piece belt guard / welder: DC voltage amperage 50 A – 170 A maximum

BK **AGW-SM14-B**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

AIR COMPRESSOR/GENERATOR BASEMOUNT

The Mi-T-M air compressor/generator combination unit is two pieces of equipment in one convenient machine. Customers are able to use this machine to power lights and fans, as well as run air and electric tools on the same jobsite. These units are built to suit any customer's needs.

- Engine: 389cc Honda OHV gasoline engine, recoil start
- Compressor pump: Two Stage Cast iron with stainless steel braided discharge hose, large canister intake filter and oil level dight indicator
- Generator: Brushless alternator, total harmonic distortion less than 5% and 100% copper windings
- Frame: Base mount design (no tank), $^{3}/_{16}$-inch baseplate to reduce vibration and 16-gauge powder coated two-piece belt guard

BK **AG2-SH13-B**

WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

MI-T-M® ELECTRIC START ENGINE UPGRADE OPTION – AIR COMPRESSOR/GENERATOR

- Cast iron cylinder sleeve for long life
- Engine option: 420cc Mi-T-M OHV gasoline engine, recoil & electric start (battery not included)
- Low oil protection (engine will not run when low oil is detected)
- NOTE: Fits model *BK* **AG2-SM14-08M1** & *BK* **AG2-SM14-B** only (must be included at time of unit order)

BK **AX-0073**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CRAFTSMAN

26 GAL. 1.7 HP AIR COMPRESSOR

- Two quick couplers
- Rugged rubber wheels
- Integrated control panel
- Large regulator knob makes operation easy
- Oil-free
- 150 lb/in^2 Maximum pressure
- 120 V
- Electric
- Single Stage
- Vertical

CTM **CMXA3332643**

CRAFTSMAN

20 GAL. 1.8 HP AIR COMPRESSOR

- Large drain valve for easy draining
- Oil-free pump for less maintenance
- Large regulator knob for easy control
- Compact design with removable handle
- 175 lb/in^2 Maximum pressure
- 120 V
- Electric
- Single Stage
- Vertical

CTM **CMXA0232043**

CRAFTSMAN

12 GAL. 1.5 HP AIR COMPRESSOR

- Rugged rubber wheels
- Large regulator knob for easy control
- Tires and rubber reinforced handle makes air compressor highly portable
- Two quick couplers switch between your most-used pneumatic tools quickly and easily
- Oil-free
- 150 lb/in^2 Maximum pressure
- 120 V
- 2 Cylinders
- Electric
- Single Stage
- Vertical

CTM **CMXA3331241**

CRAFTSMAN

10 GAL. 1.8 HP AIR COMPRESSOR

- Large drain valved for easy draining
- Full shroud design to reduce noise
- Compact design with removable handle
- Large regulator knob makes operation easy
- Oil-free
- 150 lb/in^2 Maximum pressure
- 120 V
- Electric
- Single stage
- Vertical

CTM **CMXA0331042**

CRAFTSMAN

8 GAL. AIR COMPRESSOR

- Removable handle
- Steel carrying handle
- Rugged rubber wheels
- Large regulator knob for easy control
- Oil-free
- 150 lb/in^2 Maximum pressure
- 120 V
- Electric
- Horizontal
- Single Stage

CTM **CMXA0200842**

CRAFTSMAN

2 GAL. 1/3 HP AIR COMPRESSOR

- Durable safety valve
- One quick coupler for universal use
- Compact design with built-in handle
- Large regulator knob makes operation easy
- Oil-free
- 125 lb/in^2 Maximum pressure
- 120 V
- Electric
- Horizontal

CTM **CMXA200243A**

CRAFTSMAN

3 GAL. 1.5 HP UNIVERSAL MOTOR AIR COMPRESSOR

- Durable safety valve
- Metal hook for cord management
- Compact design with built-in handle
- Large regulator knob makes operation easy
- Oil-free
- 155 lb/in^2 Maximum pressure
- 120 V
- Electric
- Horizontal
- Single Stage

CTM **CMXA0200341**

CRAFTSMAN

1.5 GAL. ULTRA-PORTABLE 3/4 HP UNIVERSAL MOTOR AIR COMPRESSOR

- One quick coupler for universal use
- Compact design with built-in handle
- Large regulator knob for easy control
- Oil-free
- 120V
- Single Stage
- Horizontal
- 125 lb./in^2 Maximum pressure

CTM **CMXA0200141A**

INDEX

Air Compressor Accessories

MAXI TRAC® HEAVY-DUTY 12V AIR COMPRESSOR

The Maxi Trac® Heavy-Duty 12V Air Compressor delivers an unbelievable 300 litres of air per minute, taking an average 4WD tire less than a minute to be inflated after lowering the pressures on the trail. This Maxi Trac compressor is equipped with two stainless steel valved cylinders air pumps and is designed to quickly dissipate heat and provide airflow to get you back on the road faster. Features also include gear-less drive for quiet, efficient operation, filtered air-intake system to keep your 12V air compressor free from dust and debris making sure it will last on all those weekend 4WD trips. This air compressor is not used just for your 4WD, the pack also comes with a needle for pumping up balls and other sporting equipment. Plus two other nozzles to help blow up an air mattress or pool inflatables. The Maxi Trac air compressor is the perfect accessory for 4WDing, maintaining your ride-on mower, boat trailer, camping, motorcycle and plenty more.

- Built-in circuit breaker
- Automatic thermal cut-off
- Tough, rubber-mounted, shock absorbing base
- 2 m Heavy-duty power cords with alligator clips
- 25 ft. (7.75m) Heavy-duty rubber hose with pressure gauge
- Twin 60cm Alloy cylinders and heads for maximum performance
- Horizontal tank

BK **MT-WM102-15C**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIMED WATER DRAIN FOR FLEXZILLA® STATIONARY AIR COMPRESSORS

This timed water drain for Flexzilla air compressors automatically empties the moisture stored in your compressor without you having to remember to do it manually. It automatically removes condensation, which will ultimately improve the life of your air compressor.

- Includes 6 ft. power cord
- 1 sec to 30 sec purge time
- 0.5 sec – 45 sec adjustable timer

BK **DRAIN001**

FILTER MAINTENANCE KIT FOR 29 CFM FLEXZILLA® PRO AIR DRYER

In order to keep your Flexzilla Pro air dryers running smoothly, it's important to change your filters regularly. This repair kit allows you to replace any parts that are required to ensure those filters are working properly. The kit includes a prefilter element, coalescing filter element and two drain replacements.

- Filter to a 0.01 micron
- Prevents harmful contaminations in your air system
- Protection against oil mist and water in your air lines
- Compatible with the 30 CFM Flexzilla Pro air dryer

BK **FILTERKIT011**

FILTER MAINTENANCE KIT FOR 58 CFM FLEXZILLA® PRO AIR DRYER

It's important to change your filters regularly in order to keep your Flexzilla Pro air dryers running smoothly. This repair kit allows you to replace required parts to ensure that filters are working properly. This kit includes a prefilter element, coalescing filter element and two drain replacements.

- Filters to a 0.01 micron
- Prevents harmful contaminations in your air system
- Protection against oil mist and water in your air lines
- Compatible with the 58 CFM Flexzilla Pro air dryer

BK **FILTERKIT012**

ISOLATOR PADS FOR FLEXZILLA® AIR COMPRESSORS

Isolator pads help to dampen vibration from compressors. These pads can help protect your Flexzilla stationary air compressor and provide many years of use.

- Reduces vibration and vibration noise
- Helps prevent tank feet from cracking
- The foot holes on the pads will take up to a ½ inch bolt
- Set of (4) isolator pads

BK **ISOLATORS001**

FLEXZILLA® SYNTHETIC AIR COMPRESSOR OIL, PISTON-TYPE, 1 QT.

Flexzilla synthetic compressor oil is for piston air compressors and it's fortified with a unique antioxidant additive to extend lubricant life.

- Anti-rust protection
- Resists heat and carbon buildup
- Formulated to protect compressors longer than petroleum oils
- 1 Qt. size

BK **OILFZ004**

AIR FILTER FOR 5-10 HP FLEXZILLA® STATIONARY AIR COMPRESSORS

Flexzilla air compressor air filter assures clean air for optimum compressor performance.

- For 5-10 HP air compressors
- Helps prevent downtime
- Removes dirt larger than 5 microns

BK **FILTER057**

SMART OIL™ AIR COMPRESSOR MAINTENANCE KIT

Protect your Flexzilla® stationary air compressor with our industry-leading lifetime pump warranty. The Smart Oil™ Maintenance Kit includes everything required for reliable service, including Whisper Blue Synthetic Compressor Oil, a patented oil that bonds with internal metal surfaces in your air compressor pump.

- Lowers noise level
- Increases performance
- Improves energy settings
- Extends the life of the system

Contents: (4) 1 qt. bottles of Whisper Blue Synthetic Compressor Oil, (4) Air Filters and (16) Silencer Filters

BK **FKIT026A**

FLEXZILLA® AIR COMPRESSOR MAINTENANCE KIT

Routine maintenance will contribute to a long life of your Flexzilla® air compressor. This kit includes everything you need to replace maintenance parts that ma need replaced after years of use as well as oil which needs to be changed every three months.

This kit is compatible with 5-10 HP Flexzilla stationary air compressors

It's important to clean your filters regularly and change them if they become damaged

Included compressor oil is formulated to protect compressors longer than petroleum oils

Contents: (2) 1 qt. bottles of synthetic compressor oil, (2) compressor air filters and (8) silencer filters

BK **MAINKIT008A**

⚠ **WARNING: Cancer – www.P65Warnings.ca.gov.**

OIL & FILTER MAINTENANCE KIT FOR 5-10 HP FLEXZILLA® AIR COMPRESSOR

Flexzilla air compressor air filters assure clean air for optimum compressor performance and Flexzilla synthetic compressor oil for piston air compressors is fortified with a unique antioxidant additive to extend lubricant life.

- Protects air compressor
- Helps prevent downtime
- Removes dirt larger than 5 microns

Contents: Compressor Lubricant and air filter

BK **MAINKIT008**

FLEXZILLA® PRO SILENCER™ FILTER REPLACEMENTS

Flexzilla air compressors are the quietest on the market thanks to their Silencer Technology. In order to keep this system running efficiently, it's important to clean the necessary filters regularly and make sure they are still functioning properly. This kit contains eight replacement filters for the Silencer noise suppression system in case your filter needs to be replaced after many cleanings.

- Noise dampening
- Capture particles and removes then from the intake air
- Routine maintenance will contribute to a long life for your air dryer
- Includes (8) Silencer™ filter replacements

BK **FILTER107KIT**

PRESSURE SWITCHES

This normally closed electric switch starts and stops the compressor as pressure rises and falls in the tank. Pressure setting is adjustable. (21 amp max.)

NAC **82-774**

Item No.	Pipe Thread, in.	Unloader	On/Off Lever	Preset Setting, PSI
NAC **82-774**	1/4	Yes	Yes	95 to 125
NAC **82-775**	1/4	Yes	Yes	105 to 135
NAC **82-776**	1/4	Yes	Yes	115 to 150
NAC **82-777**	1/4	Yes	Yes	130 to 165
NAC **82-779**	1/4	Yes	No	140 to 175
NAC **82-780**	1/4	Yes	Yes	145 to 175

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAFETY VALVES

Valve vents the tank if excess pressure builds up. It is essential for all ASME-approved tanks. MPT: 1/4 inch.

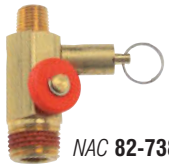
Item No.	Preset PSI	CFM
NAC **82-947**	60	61
NAC **82-948**	125	115
NAC **82-949**	150	136
NAC **82-950**	165	149
NAC **82-951**	200	178

NAC **82-947**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TANK MANIFOLDS

Compressor-type manifolds combine safety valve, full-flow valve, tank mounting fitting and fittings for air gauge. 150 psi max.



NAC **82-738**

NAC **82-739**

Item No.	Description
NAC **82-738**	Air compressor tank manifold
NAC **82-739**	Manifold for carry tanks

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR PRESSURE GAUGES

Gauge has a 2" face with a 1/4" NPT-back or bottom connection. Reads 0 to 300 PSI.

Item No.	Description
NAC **82-513**	Rear Mount
NAC **82-516**	Bottom Mount

NAC **82-513** Rear Mount

NAC **82-516** Bottom Mount

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNLOADER PILOT VALVE

Valve directs air to head unloader, which holds pump intake valve open when pressure is reached. Pressure setting is 145 PSI open to 175 PSI Closed.

NAC **82-952**

NAC **82-010** Idle Control Valve

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAC **82-952**

NAC **82-010**

BRONZE AIR CHECK VALVES

Valves prevent reverse flow of air from tank to compressor, allowing air to flow in one direction only. Generally used in discharge line from pump to tank.

Item No.	Inlet/Outlet, inch
NAC **82-781**	3/8" NPT
NAC **82-782**	1/2" NPT
NAC **82-783**	3/4" NPT

NAC **82-782**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IN-TANK CHECK VALVES

Valves are used between tank and pump discharge line to prevent reverse flow of air from tank to compressor.

Item No.	Compression Inlet, inch	MPT Outlet, inch
NAC **82-C5050**	1/2" Compression	1/2"
NAC **82-C7575**	3/4" Compression	3/4"
NAC **82-C7510**	3/4" Compression	1"
NAC **82-P5050**	1/2" FPT	1/2"
NAC **82-P7575**	3/4" FPT	3/4"
NAC **82-P7510**	3/4" FPT	1 1/2"

NAC **82-P7575**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNLOADER & CHECK VALVE COMBINATION

As the pump stops, the valve senses a lack of air flow and relieves pressure in discharge line. When pump starts, the vent closes and check valve reopens.

Item No.	Inlet, inch	Outlet, inch
NAC **82-06**	3/8" Compression	1/4" MPT
NAC **82-12**	1/2" Compression	3/8" MPT
NAC **82-24**	3/4" Compression	1/2" MPT

NAC **82-06**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CONTINUOUS RUN UNLOADERS

Unloader vents discharge air into the atmosphere when tank pressure reaches valve setting. It also acts as a check valve.

Item No.	Pressure Setting, PSI
NAC **82-709**	145 to 175
NAC **82-710**	110 to 140
NAC **82-711**	90 to 120

NAC **82-709**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTOMATIC DRAIN VALVE

Installed at bottom of tank, this valve opens briefly during each pumping cycle to release moisture condensed from the air. (Max. pressure 200 PSI.)

NAC **82-166**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTOMATIC TIMED ELECTRIC TANK DRAIN

NAC **82-170**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

STATIONARY AIR COMPRESSOR MOUNTING KIT

Our compressor mounting kit contains all the items needed to securely install most stationary air compressors. Properly mounted air compressors transfer less vibration to airlines and airline accessories, which reduces noise, air leaks, and extends tank life. (350 PSI maximum pressure.)

Contents

Qty	Description
1	3' x 3/4" flex line
4	Rubber floor mounting pads
4	Anchor bolts

NAC **82-4678***

*** Not for use on truck mounted gas units.**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

INLET FILTER

Item No.	Description
NAC **82-3093**	Inlet filter with 3/4" pipe thread for QP Piston Compressor
NAC **82-3092**	Inlet Filter with 1/2" pipe thread for NAPA Performance & Professional Piston Compressors

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

AIR FILTER

Air filter housing for single stage Air Boss compressors

NAC **82-3095**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NAC **80-050** *NAC* **80-053** *NAC* **80-051** *NAC* **80-052**

QUIET POWER 5-15 HP ROTARY SCREW AIR COMPRESSOR SERVICE KITS

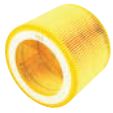
Item No.	Description
NAC **80-050**	Service Kit for QP Rotary 7.5 HP. Includes Air and Oil Filter (2000 hours or yearly)
NAC **80-053**	Service Kit for QP Rotary 10-15 HP. Includes Air and Oil Filter (2000 hours or yearly)
NAC **80-051**	Service Kit for QP Rotary 5-7.5 HP. Includes Air Filter, Oil Filter and separator. (4000 hours or 2 years)
NAC **80-052**	Service Kit for QP Rotary 10-15 HP. Includes Air Filter, Oil Filter and separator. (4000 hours or 2 years)

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

AIR FILTER

Air Filters for QP Rotary 10-15 HP

NAC **80-042**



NAC **80-043**

Item No.	Description
NAC **80-042**	Air Filter for QP Rotary 5-7.5 HP
NAC **80-043**	Air Filter for QP Rotary 10-15 HP

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NAC **80-054**

NAC **80-055**

NAC **80-056**

NAC **80-058**

NAC **80-059**

QUIET POWER 20-30 HP ROTARY SCREW AIR COMPRESSOR SERVICE KITS

Item No.	Description
NAC **80-054**	Filter Kit for QP Rotary 20-25 HP, includes air filter, oil filter and separator (4000 hour)
NAC **80-055**	Filter Kit for QP Rotary 30 HP, includes air filter, oil filter and separator (4000 hour)
NAC **80-063**	Filter Kit for QP Rotary 20 to 25 HP with dryer. Includes Air Filter and Oil Filter (2000 hour)

Item No.	Description
NAC **80-060**	Filter Kit for QP Rotary 20 to 25 HP with dryer. Includes Air Filter, Oil Filter, Seperator and Filter Mat (4000 hour)
NAC **80-061**	Filter Kit for QP Rotary 30 HP with dryer. Includes Air Filter, Oil Filter, Seperator and Filter Mat (4000 hour)
NAC **80-056**	Filter Kit for QP Rotary 20-30 HP, includes air and oil filter (2000 hour)
NAC **80-062**	Filter Kit for QP Rotary 20-25 HP. Includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)
NAC **80-057**	Filter kit for QP Rotary 30 HP. Includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)
NAC **80-058**	Filter Kit for QP Rotary 20-25 HP with dryer. Includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)
NAC **80-059**	Filter Kit for QP Rotary 30 HP with dryer. Includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAC **80-100**

NAC **80-101**

NAC **80-102**

NAC **80-103**

NAC **80-104**

QUIET POWER ROTARY SCREW AIR COMPRESSOR LUBRICANTS

Item No.	Description	Size/Type	Life Cycle (hrs.)
NAC **80-100**	Lubricant for QP Rotary	Rotair, 5 Liter/1.32 gal	2000
NAC **80-101**	Lubricant for QP Rotary	Rotair Plus, 5 Liter/1.32 gal	4000
NAC **80-102**	Lubricant for QP Rotary	Rotair Plus, 20 Liter/5.25 gal	4000
NAC **80-103**	Lubricant for QP Rotary	Rotair Xtra, 5 Liter/1.32 gal	8000
NAC **80-104**	Lubricant for QP Rotary	Rotair Xtra, 20 Liter/5.28 gal	8000

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 HP/7.5 HP/10 HP INDUSTRIAL OIL & AIR COMPRESSOR MAINTENANCE KITS

To maximize your compressor's life expectancy, change compressor oil every three months or after 500 hours of use.

7.5 HP/10 HP PROFESSIONAL UNIT MAINTENANCE KIT

7.5 & 10 HP kit contains two quarts of oil, two air filters, (*NAC* **82-2580**) maintenance service card, and maintenance service decal.
Also fits *NAC* **82-1633 GT**.

NAC **82-6041**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

5 HP PROFESSIONAL UNIT MAINTENANCE KIT

Not Illustrated

5 HP kit contains two quarts of non-detergent 30 wt. oil, one air filter, maintenance service card, and maintenance service decal. Also fits *NAC* **82-1033-GTH** & *NAC* **82-1133-GTV**.

NAC **82-6040**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR COMPRESSOR OIL

Our specially formulated compressor oil is recommended for all types of air compressors. Available in quart size (32 oz.) only.

NAC **82-6020**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAGNETIC STARTERS

- Electrically operated switches are used to control the compressor motor and provide thermal protection
- Starts are activated by the pressure switch
- Contact our Technical Service department for assistance

NAC **82-12BA**

NAC Item No.	Fits These Compressors
82-12BA	*NAC* **82-348VAT**
	NAC **82-348VATK**
	NAC **82-348VATFF**
	NAC **82-348HAT**
	NAC **82-349HAT**
	NAC **82-2349HAT**
	NAC **QP-581VAT**
82-12BB	*NAC* **82-348VBT**
	NAC **82-348VBTK**
	NAC **82-348VATFF**
	NAC **82-348HBT**
	NAC **82-349HBT**
	NAC **82-2349HBT**
	NAC **QP-583VBT**
82-12BB460	*NAC* **82-348VBT-460**
	NAC **82-348VBTK-460**

NAC Item No.	Fits These Compressors
	NAC **82-348VBTFF-460**
	NAC **82-348HBT-460**
	NAC **82-2349HBT-460**
82-15BA	*NAC* **82-378VAT**
	NAC **82-378VATK**
	NAC **82-378VATFF**
	NAC **82-378HAT**
	NAC **82-379HAT**
	NAC **82-2379HAT**
	NAC **QP-7581VAT**
82-15BB	*NAC* **82-378VBT**
	NAC **82-378VBTK**
	NAC **82-378VBTFF**
	NAC **82-378HBT**
	NAC **82-379HBT**
	NAC **82-2379HBT**

NAC Item No.	Fits These Compressors
	NAC **QP-7583VBT**
82-15BB460	*NAC* **82-378VBT-460**
	NAC **82-378VBTF-460**
	NAC **82-378HBT-460**
	NAC **82-379HBT-460**
	NAC **82-308VBT-460**
	NAC **82-308VBTK-460**
	NAC **82-309VBT-460**
	NAC **82-309VBTK-460**
	NAC **82-309VBTF-460**
	NAC **82-308HBT-460**
	NAC **82-308HBTK-460**
	NAC **82-309HBT-460**
	NAC **82-309HBTK-460**
	NAC **82-309VBTF-460**
	NAC **82-2379HBT-460**

NAC Item No.	Fits These Compressors
	NAC **82-2309HBT-460**
	NAC **82-2300HBT-460**
82-35BA	*NAC* **82-308VBT**
	NAC **82-308VBTK**
	NAC **82-309VBT**
	NAC **82-309VBTK**
	NAC **82-309VBTFF**
	NAC **82-308HBT**
	NAC **82308HBTK**
	NAC **82-309HBT**
	NAC **82309HBTK**
	NAC **82-2349HBT**
	NAC **82-2300HBT**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Arrow Pneumatics

NAPA MODULAR SYSTEM

NAPA AIR COMPRESSORS CAN SUGGEST THE BEST AIR LINE ACCESSORIES FOR YOUR AIR SYSTEM!

The Air Compressor Filters, Regulators and Lubricators you choose have a direct relationship to the efficiency of your air system.

The NAPA Tire Hardware modular system is designed to allow conventional in-line installation using pipe threads, or modular installation using the patented Quickclamp system.

The one-piece Quickclamp assembly allows installation and removal of "Modular" units without breaking a pipe connection saving time connecting and replacing air line components.

NAPA's Modular series offers Filters, Regulators and Lubricators to meet your particular air needs and applications.

Features:
- Aesthetic appearance
- A wide range of accessories
- Quick-release on intermediate series bowls

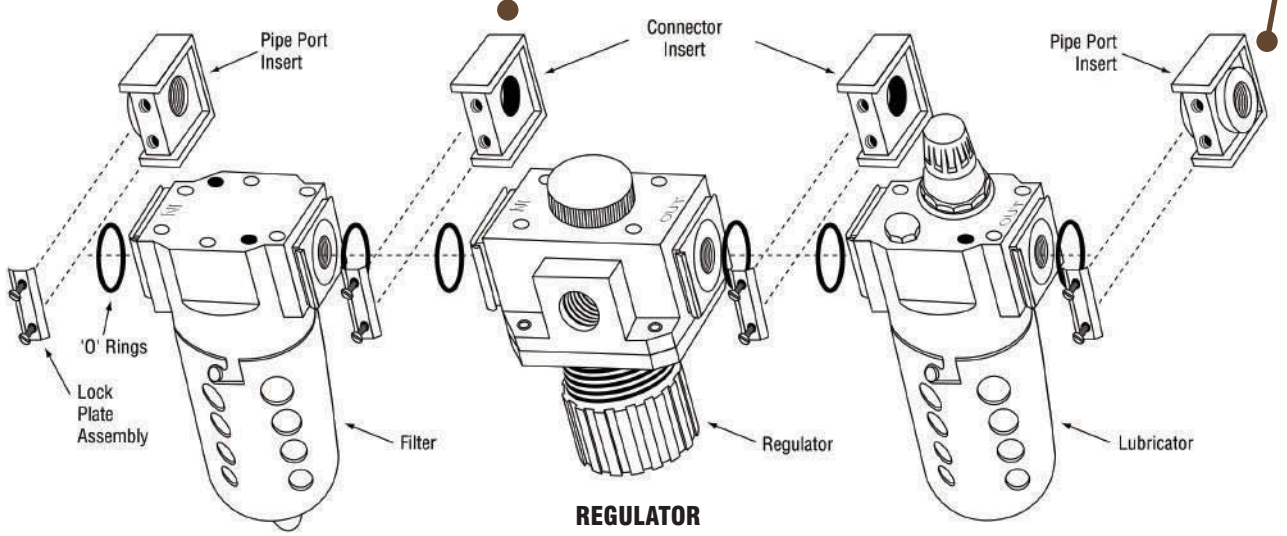
Arrow Pneumatics

QUICKCLAMP

Part No.	Clamp Size
NTH **90-7016**	1 1/8"
NTH **90-7414**	1 3/8"

QUICKCLAMP PIPE ADAPTERS

Part No.	Clamp Size	Port Size
NTH **90-7986**	1 3/8"	1/4"
NTH **90-7987**	1 3/8"	3/8"
NTH **90-7989**	1 3/8"	3/4"



FILTER **REGULATOR** **LUBRICATOR**

Filters, Regulators & Lubricators

Arrow Pneumatics

NTH **90-715**

NTH **90-7013**

NTH **90-7830**

NTH **90-7820**

NTH **90-7840**

NTH **90-7960**

NTH **90-7870**

NTH **90-7961**

AIR LINE COMBO UNITS

Space-saving filter and regulator combination units feature output performance equal to that of an individual filter and regulator with reduced pressure outputs of 5 to 125 PSIG. All Pneumaster Filters are equipped with sintered bronze elements. Built to withstand various chemicals and will not collapse like most polypropylene or plastic elements.

Item No.	Pipe Size	Adjustment Type	Max. Flow SCFM	Bowl Capacity	Bowl Type	Drain	Gauge	Max. Temp. Range	Pressure
NTH **90-715***,†	1/4"	Knob	20	1 oz.	Poly with no bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7013**	1/4"	Knob	35	4 oz.	Metal bowl with glass sight	Manual	Included	40° - 160° F	250 psig
NTH **90-7800*****	1/4"	Knob	50	5 oz.	Poly bowl with bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7830**	1/4"	T-handle	50	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	200 psig
NTH **90-7831**	1/4"	T-handle	50	6 oz.	Metal bowl with sight glass	Auto Drain	Included	40° - 125° F	175 psig
NTH **90-7820**	3/8"	Knob	80	5 oz.	Poly bowl with bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7840**	3/8"	T-handle	80	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	200 psig
NTH **90-7860**	1/2"	Knob	100	5 oz.	Poly bowl with bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7850**	1/2"	T-handle	100	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	200 psig
NTH **90-7851**	1/2"	T-handle	100	6 oz.	Metal bowl with sight glass	Auto Drain	Included	40° - 125° F	175 psig
NTH **90-7870**	3/4"	Knob	200	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	250 psig
NTH **90-7871**	3/4"	Knob	200	6 oz.	Metal bowl with sight glass	Auto Drain	Included	40° - 125° F	175 psig
NTH **90-7960****	1/2"	Knob	100	5 oz.	Poly bowl with guard	Manual	Included	40° - 160° F	150 psig
NTH **90-7961****	1/2"	Knob	100	5 oz.	Poly bowl with guard	Manual	Included	40° - 160° F	150 psig

*** IMPORTANT:** *NTH* **90-715 is a mini unit.**
**** Filter/regulator/lubricator unit.**
***** Wall mount not included.**
† Replacement Gauge *NHT* **90-720.**

Specifications subject to change without notice. Units may not be exactly as pictured.

Arrow Pneumatics

GENERAL-PURPOSE FILTERS

General-purpose filters are installed upstream of regulators to prevent valve failure. They are also used as pre-filters to oil-removing and coalescing filters to ensure high efficiency and long element life in paint spraying, instrumentation and pharmaceutical applications. Filters remove liquid, water, dirt and debris from air lines while protecting components and air tools from premature failure. All Particulate Filters are equipped with sintered bronze elements that are built to withstand various chemicals and will not collapse like most polypropylene or plastic elements.

NTH **90-7510**

NTH **90-7501**

NTH **90-7010**

Item No.	Pipe Size	Max. Flow SCFM	Bowl Capacity	Bowl Type	Drain	Temp. Range	Pressure	Element
NTH **90-705***	1/4"	27	1 oz.	Poly bowl without guard	Manual	40° - 125° F	150 psig	20 micron
NTH **90-7500**	1/4"	48	5 oz.	Poly bowl with bowl guard	Manual	40° - 125° F	150 psig	40 micron
NTH **90-7510**	1/4"	48	6 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7511**	1/4"	48	6 oz.	Metal bowl with glass sight	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-7520**	3/8"	75	5 oz.	Poly bowl with bowl guard	Manual	40° - 125° F	150 psig	40 micron
NTH **90-7530**	3/8"	75	5 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7531**	3/8"	75	6 oz.	Metal bowl with sight glass	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-7540**	1/2"	100	5 oz.	Poly bowl with bowl guard	Manual	40° - 125° F	150 psig	40 micron
NTH **90-7550**	1/2"	100	6 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7551**	1/2"	100	6 oz.	Metal bowl with sight glass	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-7010**	1/4"	30	4 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7501**	1/4"	48	5 oz.	Poly bowl with bowl guard	Automatic Drain	40° - 120° F	150 psig	40 micron
NTH **90-7521**	3/8"	48	5 oz.	Poly bowl with bowl guard	Automatic Drain	40° - 120° F	150 psig	40 micron
NTH **90-7541**	1/2"	100	5 oz.	Poly bowl with bowl guard	Automatic Drain	40° - 120° F	150 psig	40 micron
NTH **90-756**	3/4"	245	20 oz.	Metal bowl with glass sight	Manual	40° - 160° F	250 psig	40 micron
NTH **90-756A**	3/4"	245	20 oz.	Metal bowl with glass sight	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-757**	1"	300	29 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-757A**	1"	300	29 oz.	Metal bowl with sight glass	Automatic Drain	40° - 120° F	175 psig	40 micron

***IMPORTANT:** *NTH* **90-705 is a mini unit.**

COALESCING AIR LINE FILTERS

Coalescing filters function in a different way from general-purpose filters. Air flows from inside to outside through a coalescing media. Coalescing by definition means "to come together." It is a continuous process by which small aerosols come in contact with fibers in the filter media uniting with other collected aerosols and growing to emerge as a droplet on the downstream surface of the media, which is gravitationally drained away by its weight. For maximum performance and efficiency, coalescing filters should be preceded by a general-purpose filter.

NTH **90-7011**

NTH **90-7070**

NTH **90-7071**

Features & Benefits

- Removes submicron particles, particularly oil
- Applications include paint spraying, pneumatic control instrumentation, printing and protection of air bearings
- For maximum efficiency, a pre-filter needs to be installed upstream
- Bonded end seals eliminate aerosol leakage past the element
- Inner and outer support ribs are chemical resistant and strengthen element structure
- Drain layers allow filtered elements to drop to bottom of filter with barrier to prevent re-entry of drops to downstream air

Item No.	Pipe Size	Max. Flow SCFM	Bowl Capacity	Bowl Type	Drain	Max. Flow Pressure	Filter Element
NTH **90-7011***	1/4"	30	4 oz.	Metal bowl w/ glass sight	Manual Twist	250 psig	.03 micron
NTH **90-7070**	1/2"	37	6 oz.	Metal bowl w/ glass sight	Manual Twist	250 psig	.01 micron
NTH **90-7071***	1/2"	37	6 oz.	Metal bowl w/ glass sight	Auto Float	175 psig	.01 micron
NTH **90-7081***	1/4"	24	6 oz.	Metal bowl w/ glass sight	Auto Float	175 psig	.01 micron

*** Wall mount not included.**

Specifications subject to change without notice. Units may not be exactly as pictured.

Filters, Regulators & Lubricators

Arrow Pneumatics

AIR LINE REGULATORS

Pneumatic equipment that operates at higher than recommended pressure can cause excess torque, force and wear and can waste compressed air. Operating below specified pressure can cause machines to fail to meet their design performance specifications. Therefore, precise air pressure control is essential to efficient operation of air-powered equipment. An air line regulator is a specialized control valve which reduces upstream supply pressure level to a specified constant downstream pressure.

Features & Benefits

- Self-relieving style units for worry-free operation
- Features three-position non-rising knob—push to lock, pull to adjust, detachable to make tamper resistant
- T-handle available on 1/2" and above
- Polished brass valve set ensures regulated pressure will not drift
- Efficient aspirator (minimum pressure drop) ensures quick response, high cycles and higher production

NTH **90-7012**

NTH **90-7760**

NTH **90-7750**

NTH **90-725**

NTH **90-728**

Item No.	Pipe Size	Max. Flow SCFM	Adjustment Type	Pressure Gauge	Gauge Port	Operating Temp. Range	Adjustment Range
NTH **90-725*,†**	1/4"	25	Adjustable knob	Included	1/8" NPT	40° - 120° F	5 to 125 psig
NTH **90-728****	1/4"	25	Adjustable knob	Included	1/8" NTP	40° - 120° F	5 to 125 psig
NTH **90-7710**	1/4"	50	Adjustable knob	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7730**	3/8"	80	Adjustable knob	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7750**	1/2"	100	Adjustable knob	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7780**	3/4"	220	T-Handle	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7012**	1/4"	30	Adjustable knob	Included	(2) 1/4" NTP	40° - 120° F	5 to 125 psig
NTH **90-7760**	1/2"	100	T-Handle	Included	(2) 1/4" NTP	40° - 120° F	10 to 250 psig
NTH **90-7770**	3/4"	220	T-Handle	Included	(2) 1/4" NTP	40° - 120° F	10 to 250 psig
NTH **90-778**	1"	250	T-Handle	Included	(2) 1/4" NTP	40° - 120° F	10 to 250 psig

***Mini unit with metal body**
****Lightweight mini unit with nylon body**
† Replacement Gauge *NHT* **90-720.**

AIR LINE LUBRICATORS

Most pneumatic system components and air tools require oil lubrication for proper operation and long service life. Filtered and regulated air enters the lubricator and is mixed with oil in an aerosol mist. The air is then routed to the operating system.

Features & Benefits

- Extends life of downstream components
- Injects a fine stream of oil into the air stream to automatically lubricate air-operated tools and other devices
- Precisely controls oil feed with needle valve adjustment knob
- Minimizes pressure drop to the air system
- Features three-position, non-rising knob—push to lock, pull to adjust, detach to make tamper resistant
- Maximizes air flow
- Allows for precise visual adjustment control
- Requires low flow to establish drip rate

NTH **90-740**

NTH **90-7890**

NTH **90-7920**

NTH **90-7014**

Item No.	Pipe Size	Max. Flow SCFM	Bowl Capacity	Bowl Type	Operating Temp. Range	Max. Flow Pressure	Oil Delivery
NTH **90-740***	1/4"	16	1 oz.	Poly bowl with no bowl guard	40° - 125° F	150 psig	1 scfm
NTH **90-7880**	1/4"	16	5 oz.	Poly bowl with bowl guard	40° - 125° F	150 psig	2 scfm
NTH **90-7890**	1/4"	16	6 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-7900**	3/8"	82	5 oz.	Poly bowl with bowl guard	40° - 125° F	150 psig	2 scfm
NTH **90-7910**	3/8"	82	6 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-7920**	1/2"	142	5 oz.	Poly bowl with bowl guard	40° - 125° F	150 psig	2 scfm
NTH **90-7930**	1/2"	142	6 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-799**	3/4"	142	20 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-7014**	1/4"	16	3 oz.	Metal bowl s/ sight glass	40° - 160° F	200 psig	2 scfm

*** IMPORTANT:** *NTH* **90-740 is a mini unit**

Specifications subject to change without notice. Units may not be exactly as pictured.

EVERCRAFT

AIR PRESSURE FILTER/REGULATOR

Features bottom water drain.
Filters and regulates air pressure.

Specifications

Air Inlet: .....1/4" NPT
Pressure Gauge: ..... 0-140 PSI
Working Pressure:..... 135 PSI

BK **776-3762**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

AIR PRESSURE FILTER/LUBRICATOR/ REGULATOR

Filters, regulates and adds lubricant to air for air tool operation.

Specifications

Air Inlet: .....1/4" NPT
Max. Inlet Pressure:..... 135 PSI
Working Pressure:..... .0-140 PSI

BK **776-3763**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

AIR PRESSURE DIAPHRAGM REGULATOR & GAUGE

Regulates and maintains proper air pressure, prolonging air tool life.

Specifications

Air Inlet: .....1/4" NPT
Gauge Range: ..... 0-180 PSI
Max. Air Inlet Pressure: ..... 160 PSI

BK **776-3768**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

NAPA Arrow Pneumatics

OIL REMOVING AIR CONTROL UNIT

This 40 SCFM air control unit comes with a water-removing filter which features a 40-micron sintered bronze element and a .01 oil-removing filter with a pop-up indicator that lets you know when it is time to change the oil-removing filter element. Both units are equipped with 6 oz. metal bowls, sight glasses and manual drains. This unit comes with 5 air outlets; 2 outlets are not regulated and 3 outlets are regulated.

NTH **90-7030**

NAPA Arrow Pneumatics

COMBINATION FILTER & OIL REMOVING FILTER UNIT

This 40 SCFM oil-removing unit comes with a standard filter which features a 40-micron sintered bronze element, metal bowl with sight glass, and manual drain followed by a .01 oil removing filter with a pop-up indicator that lets you know when it is time to change the oil removing filter element. Both units are equipped with 6 oz. bowls.

NTH **90-7031**

NAPA Arrow Pneumatics

1/2 IN. NPT WATER DRAIN

Automatically expels liquids from piping network in compressed air systems. For use in low spots in an air system where water is likely to accumulate. Float type drain features a protective screen with umbrella baffle, providing large sump area for oil, sludge and dirt. Max pressure is 175 PSI.

NTH **90-701**

NAPA Arrow Pneumatics

2-QUART 1/2 IN. DESICCANT FILTER

This unit is a must for all paint shops. Two-quart desiccant filter lowers the dew point to -30° F (-34° C)and removes all water in vapor and liquid form. When the beads turn from blue to pink, it is time to change the beads. Includes 2 quarts of desiccant beads (*NTH* **90-732**).

Specifications

NPT: ..... 1/2"
SCFM: 25
Desiccant Charge: .....2 quarts

NTH **90-730**

NAPA Arrow Pneumatics

1-QUART 1/2 IN. DESICCANT FILTER

This unit is a must for all paint shops. One-quart desiccant filter lowers the dew point to -30° F (-34° C) and removes all water in vapor and liquid form. When the beads turn from blue to pink, it is time to change the beads. Includes 1 qt. of desiccant beads (*NTH* **90-732**).

Specifications

NPT: ..... 1/2"
SCFM: 15
Desiccant Charge: .....1 quart

NTH **90-731**

Specifications subject to change without notice. Units may not be exactly as pictured.

Filters, Regulators & Lubricators

ECONOMY 1-QT. FILTER/DRYER COMBO

This unit features a .03 oil removing filter with a pop-up indicator which lets you know when to change the oil removing filter element. The desiccant beads lower the dew point to 30° F and remove any water vapor or liquid. When the beads turn from blue to pink it is time to change the beads. Unit comes with 1-quart desiccant beads and ball shutoff valve.

Part No.	Max. Pressure	Filter Port Size
NTH **90-4000**	200 PSI	1/2" NPT

MINI IN-LINE DISPOSABLE DESICCANT DRYER

Ideal for spray guns. Desiccant dryer features a 40-micron, sintered bronze element that removes fine dirt particles while oil removing media eliminates oil vapor and desiccant beads absorb water vapor. Attaches directly to spray gun or mini regulator located on the spray gun. Bi-directional unit with 1/4" NPT. Blue desiccant beads lower the dew point and removes all water vapor. Beads turn pink when it is time to replace the filter/dryer. Max flow is 15 SCFM and max working pressure is 125 PSI.

NTH **90-729-2**

AIR LINE DESICCANT DRYER

- Easy to change, spin on replaceable desiccant cartridge containing 1 qt. of desiccant, 3 stainless steel screens and a 1 micron element for particulate removal
- Multi stage desiccant filter and dryer removes dirt, water, oils and all other contaminants
- Color changing indicator allows you to see when it is time to replace the cartridge
- Includes regulator with gauge and a shut off valve on the inlet
- .01 micron oil removing filter with 9 oz. metal bowl, sight glass and manual drain
- 40 micron water removing prefilter with 9 oz. metal bowl, sight glass and manual drain
- -40° F (-40° C) dew point
- Unit lowers dew point to -30° F (-34° C), removes all water vapors, visible color change from blue to pink when desiccant needs replaced

Specifications

Body Head Material: ..... Aluminum
Bowl Material: ..... Aluminum
Bowl Size: ..... 1 Qt.
Dimension A: ..... 19 1/8" Height
Dimension B: ..... 16 1/2" Width
Dimension C: ..... 5" Depth
Port Size: ..... 1/2"
SCFM Flow: 35
Internal Inlet Filter Micron Size: 5
Internal Outlet Filter Micron Size: 1

NTH **90-7962**

CARLYLE 1/2 IN. 5 MICRON PARTICULATE AIR LINE FILTER WITH METAL BOWL AND AUTO DRAIN

Carlyle's general purpose 5 micron filter protects equipment from water and dirt particles throughout compressed air systems. It is installed upstream of regulators to prevent valve failure. They are also used as pre-filters to oil removing and coalescing filters to ensure high efficiency and long element life in applications such as paint spraying, instrumentation and pharmaceutical. All Carlyle general purpose filters are equipped with sintered bronze elements. They are manufactured to withstand various chemicals and will not collapse like most polypropylene/plastic elements.

- 6 oz. bowl with sight and automatic overnight drain
- Protects air tools and equipment from premature failure
- Removes liquid, water, dirt, debris, pipe scale and rust from air lines

NPT **61-1780**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE 1/2 IN. AIR LINE REGULATOR WITH GAUGE

Carlyle 1/2" standard relieving air control regulator is used on compressed air systems in general service shops and body shops to regulate air tools, equipment and all areas where air needs to be regulated. Equipped with a gauge and three position taper-proof non-rising cap, control unit comes with two air ports, working pressure is 5 to 125 psi and 100 scfm.

- Three position non-rising adjustment knob
- Reinforced diaphragm for repeated accuracy
- Minimal Pressure droop due to efficient aspiration
- Micro finish brass seat to ensure no reduced pressure creep

NPT **61-1781**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE 1/2 IN. AIR LINE LUBRICATOR

Carlyle 1/2" ultra fog lubricator is used in service shops on compressed air lines to lubricate equipment and air tools. It features a 6 oz. metal bowl with lubricator sight adjustment knob and a non-rising cap, just pull to adjust and push down to lock.

- 3 Position non-rising knob
- Oil delivery at low air flow, 2 scfm
- Lubricator can be filled without shutting down the air line
- Ultra fog unit is equipped with precise adjustment control
- Lubricator produces extremely fine 0.4 micron oil particles to be carried further downstream to air tools or equipment

NPT **61-1782**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE TOOLS by NAPA

CARLYLE 1/2 IN. AIR LINE FILTER/ REGULATOR

Carlyle 1/2" Filter/Regulator piggyback combo unit is used on compressed air lines to filter and control air flow on air tools, paint equipment, in general service garages, industrial applications and paint and body shops. Unit is equipped with 5 micron particulate water removing air filter used with air compressors, removes debris, pipe scale, rust and water, 6 oz. metal bowl with sight glass, overnight drain, 5 micron sintered bronze element, the relieving style regulator is equipped with gauge and three position taper-proof non-rising cap and two air ports, working pressure is 5 to 125 psi and 100 scfm.

- Element will not collapse
- Three position non-rising taper-proof cap
- Regulator features reinforced diaphragm for dependable accuracy
- Filter features 5 micron sintered bronze cleanable and reusable element

NPT **61-1783**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE 1/4 IN. MINI AIR LINE REGULATOR WITH GAUGE

Carlyle 1/4" mini relieving air control regulator is used on equipment and paint spray guns in body shops, woodworking industry and all spray applications to control air flow. Equipped with air gauge and has 3 air ports, operating pressure is 5 to 125 psi and 25 scfm.

- Non-rising taper-proof cap
- Relieving style regulator
- Diaphragm unit and replaceable parts

NPT **61-1784**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE 1/4 IN. MINI FILTER/REGULATOR PIGGYBACK COMBO UNIT

The Carlyle 1/4" mini filter/regulator piggyback combo unit is used on compressed air line equipment to filter and control air flow on air tools, paint equipment and other applications. Filter is equipped with a 20 micron filter element, polycarbonate 3 oz. bowl with easy to use twist drain. The regulator is a relieving style, non-rising 3 position taper-proof cap, air gauge comes with unit, operating pressure range is 5 to 125 psi and max. flow of 20 scfm.

- Element will not collapse
- Unit is equipped with manual twist drain
- Three position non-rising taper-proof cap
- 20 Micron sintered bronze cleanable and reusable element
- Regulator features reinforced diaphragm for dependable accuracy

NPT **61-1785**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE 1/2 IN. AIR LINE FILTER/ REGULATOR/LUBRICATOR

The particulate filter unit is equipped with a 5 micron sintered bronze element used with air compressors to remove debris, pipe scale, rust, dirt and water. The filter has a 6 oz. metal bowl with sight glass and overnight drain and the regulator is a relieving style, with non-rising taper-proof cap, unit comes with gauge and has 2 air ports. The lubricator is an ultra fog lubricator used to lubricate air tools and other equipment, it has a 6 oz. metal bowl with sight adjustment knob and non-rising cap.

- Filter comes with 5 micron sintered bronze element that can be cleaned and reused
- Element will not collapse, will withstand various chemicals
- Regulator comes with reinforced diaphragm for repeated accuracy
- Minimal pressure droop due to efficient aspiration
- Three-position non-rising adjustment knob
- Micro finish brass seat to ensure no reduced pressure creep
- Lubricator produces .4 micron oil particulates to be carried further downstream

NPT **61-1786**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

CARLYLE 1/2 IN. PIGGYBACK AIR LINE FILTER/REGULATOR/LUBRICATOR

The particulate filter unit is equipped with a 5 micron sintered bronze element used with air compressors to remove debris, pipe scale, rust, dirt and water, the filter has a 6 oz. metal bowl with sight glass and overnight drain. The regulator is a relieving style, with a three-position non-rising taper-proof cap, unit comes with gauge and has 2 air ports. The lubricator is an ultra fog lubricator used to lubricate air tools and other equipment, it has a 6 oz. metal bowl with sight adjustment knob and non-rising cap.

- Filter comes with 5 micron sintered bronze elements that can be cleaned and reused
- Element will not collapse, with withstand various chemicals
- Regulator comes with reinforced diaphragm for repeated accuracy
- Minimal pressure droop due to efficient aspiration
- Micro finish brass seat to ensure no reduced pressure creep
- Lubricator produces .4 micron oil particles to be carried further downstream
- Ultra fog lubricator is equipped with precise adjustment control

NPT **61-1787**

WARNING: This product can expose you to chemicals, including lead, which is known to the State of California to cause Cancer, Birth Defects, or other reproductive harm. For more information go to www.p65warnings.ca.gov

INDEX

Desiccant Dryers & Accessories

Arrow Pneumatics

AIR LINE DESICCANT DRYER

- Easy to change, spin on replaceable desiccant cartridge containing 1 qt. of desiccant, 3 stainless steel screens and a 1 micron element for particulate removal
- Color changing indicator allows you to see when it is time to replace the cartridge
- -40° F (-40° C) dew point
- Unit lowers dew point to -30° F (-34° C), removes all water vapors, visible color change from blue to pink when desiccant needs replaced.

Specifications

Body Head Material: ..... Aluminum
Bowl Material: ..... Aluminum
Bowl Size: ..... 1 Qt.
Dimension A: ..... 19⅛" Height
Dimension B: ..... 5" Width
Dimension C: ..... 5" Depth
Port Size: ..... ½"
SCFM Flow: 35
Internal Inlet Filter Micron Size: 1
Internal Outlet Filter Micron Size: 1

NTH **90-7963**

REPLACEMENT DESICCANT FILTER

- -40° F (-40° C) dew point
- Replacement desiccant cartridge for *NTH* **90-7962** and *NTH* **90-7963**. Cartridge includes 1 qt. of desiccant, 3 stainless steel screens and a 1 micron element for particulate removal

Specifications

Color: ..... Clear/Blue
Drying Efficiency: ..... Minus 40° F
Material: ..... Desiccant
Micron Size: ..... 1 micron
SCFM Rating: ..... 35 SCFM
Type: ..... Dryer
Saturated SCFM Rating: ..... 35 SCFM
Sight Glass Type: ..... Yes
Unsaturated SCFM Rating: ..... 35 SCFM

NTH **90-7964**

IN-LINE DISPOSABLE AIR LINE DESICCANT DRYER FILTERS

- Reduces fatigue by eliminating excessive weight
- Eliminates bulky, heavy air hose, regulator and filter on your spray gun. Available with optional adjustable belt
- Comes complete with a mini regulator with gauge, disposable desiccant dryer, 6½ ft. lightweight hose and belt clip
- Transfers weight of regulator, dryer and rubber hose from paint gun to a belt clip

Specifications

Connection Thread Size: ..... ¼" NPT
Dimensions: ..... 3¾" x 1 11/16"
Weight: ..... 2.8 oz.

NTH **90-7965**

AIR COMPRESSOR ELECTRIC DRAINS

- 2.5 gpm discharge rate
- Adjustable water expel intervals, adjustable purge time, includes Y-strainer, manual override
- LED Power indicator
- Interval time .05-45 min adjustable
- Manual override
- Includes protective caps and o-rings for added protection and tamper resistance IP 65/NEMA 4 protection
- 6 ft. Power cord
- Includes strainer
- Discharge time .05-10 secs adjustable
- UL and CE approved

Specifications

Cycle Time: ..... .05 - 45 mins.
Maximum Pressure: ..... 230 PSI
Drain Time: ..... .05-10 sec

Item No.	Size	Voltage	Thread Size
NTH **90-7966**	¼"	115V	¼" NPT
NTH **90-7967**	¼"	230V	¼" NPT
NTH **90-7968**	½"	115V	½" NPT
NTH **90-7969**	½"	230V	½" NPT

AIR FLOW CHECK VALVES

- Prevents hose whip caused by ruptured air hoses
- Lightweight, anodized aluminum housing
- Easy to install, these units are designed eliminate dangerous hose whip

NTH **90-7970** ½"
NTH **90-7971** ¾"

UNIVERSAL MOUNTING BRACKET

Mounting bracket for all standard regulators. Can also be used for all standard FRL combo units. Silver finish.

NTH **90-4001**

REPAIR KIT

Air line regulator repair kit.

NTH **90-780**

Arrow Pneumatics

AIR LINE FILTER BOWL
Bowl kit with metal guard for manual drain types.
NTH **90-760**

3-WAY SLIDE SAFETY VALVE
3-Way OSHA 1/2" port size lockout valve which exhausts all downstream pressure when closed. Can be locked in the closed position with padlock (not included).
NTH **90-726**

AIR LINE QUICKCLAMP
Modular insert for standard series components. Unit flanges slide into Quickclamp grooves and positive seal is created when clamp is closed and screw is tightened.
NTH **90-7414**

QUICKMOUNT PIPE ADAPTERS
For use with *NTH* **90-7414** to provide threaded connections to system piping.

Item No.	Description
NTH **90-7986**	1/4" Port Size
NTH **90-7987**	3/8" Port Size
NTH **90-7989**	3/4" Port Size

AIR LINE QUICKCLAMP WALL MOUNTING BRACKET
For use with Quickclamp for secure wall, machine or flat surface mounting. Uses 7/32" screws.
NTH **90-7418**

AIR LINE WALL MOUNTING BRACKET
For use securing modular units to a wall, machine or flat surface.
NTH **90-7420**

QUICKCLAMP & WALL MOUNTING BRACKET
Combination of Quickclamp (*NTH* **90-7414**) and Wall Mount Bracket (*NTH* **90-7418**). Uses 7/32" screws.
NTH **90-7412**

AIR LINE PORTING BLOCK
Allows three additional 1/4" outlets when installed between Quickclamps. Provides filtered and regulated air for paint spraying and other applications when placed in a modular group between a regulator and lubricator.
NTH **90-7416**

AIR LINE MANIFOLD BLOCK
Attaches to the outlet port of any standard size modular unit to allow 3 additional 1/4" outlet ports.
NTH **90-7422**

AIR LINE PANEL MOUNT RING
Panel mount ring for mounting standard series modular regulators and filter regulator combos.
NTH **90-7424**

AIR LINE QUICKCLAMP
Modular insert for intermediate series components. Unit flanges slide into Quickclamp grooves and positive seal is created when clamp is closed and screw is tightened.
NTH **90-7016**

AIR LINE QUICKCLAMP & WALL MOUNTING BRACKET
Combination of Quickclamp (*NTH* **90-7015**) and Wall Mount Bracket (*NTH* **90-7016**). Uses 3/16" screws.
NTH **90-7017**

Specifications subject to change without notice. Units may not be exactly as pictured.

Arrow Pneumatics

AIR LINE QUICKCLAMP WALL MOUNTING BRACKET

For use with Quickclamp for secure wall, machine or flat surface mounting. Uses 3/16" screws.

NTH **90-7015**

MODULAR LUBRICATOR PARTS & ACCESSORIES

Not Illustrated

For use with 1 3/8" modular series clamp size.

Description	Item No.
Metal Bowl with Sight Glass	*NTH* **90-763**
Plastic Bowl with Bowl Guard	*NTH* **90-7940**
Manual Lubricator Drain	*NTH* **90-7680**
O-ring for Metal and Plastic Bowls	*NTH* **90-7982**
Wall Mounting Bracket	*NTH* **90-7420**
Sight Feed Dome	*NTH* **90-798**

MODULAR FILTER PARTS & ACCESSORIES

Not Illustrated

For use with 1 3/8" modular series clamp size.

Description	Item No.
Automatic Drain Kit	*NTH* **90-764**
Plastic Bowl with Bowl Guard	*NTH* **90-7600**
Manual Lubricator Drain	*NTH* **90-7680**
Filter Element (5-micron porous polypropylene)	*NTH* **90-7700**
Filter Element Professional	*NTH* **90-7580**
Filter Repair Kit	*NTH* **90-7650**
O-ring for Metal and Plastic Bowls	*NTH* **90-7982**
Wall Mounting Bracket	*NTH* **90-7420**

MODULAR REGULATOR PARTS & ACCESSORIES

Not Illustrated

For use with 1/8" modular series clamp size.

Description	Item No.
Gauge (0-160 PSI)	*NTH* **90-782**
Wall Mounting Bracket	*NTH* **90-7420**
Panel Mounting Ring	*NTH* **90-7424**
Repair Kit	*NTH* **90-7810**

NTH **90-710**

NTH **90-713**

NTH **90-712**

NTH **90-732**

DESICCANT FILTER PARTS & ACCESSORIES

Item No.	Description	Fits These Dryers
NTH **90-710**	Repair Kit (Threaded Rod, Exhaust Tube and Adapter Assembly, Washer, Retaining Ring and Cap Nut)	—
NTH **90-713**	Repair Kit (Threaded Rod, Exhaust Tube and Adapter Assembly, Washer, Retaining Ring and Cap Nut)	—
NTH **90-712**	Replacement DP Pop-Up Indicator Kit	*NTH* **90-730** 2-qt. Bowl and *NTH* **90-731** 1-qt. Bowl
NTH **90-732**	Replacement Desiccant Beads (1 qt. container)	*NTH* **90-730** 2-qt. Bowl and *NTH* **90-731** 1-qt. Bowl

AIR LINE REPLACEMENT PARTS

Not Illustrated

Item No.	Description	For Use with Item No.	Port Size NPT	Flow SCFM	Operation Range
NTH **90-7019**	Replacement 5μ Filter Element	*NTH* **90-7010** and *NTH* **90-7013**	—	—	—
NTH **90-7020**	Replacement 40μ Filter Element	*NTH* **90-7010** and *NTH* **90-7013**	—	—	—
NTH **90-716**	Mounting Bracket and Nut	*NTH* **90-705**	—	—	—
NTH **90-720**	Replacement Gauge	*NTH* **90-705** and *NTH* **90-715**	1/8"	16	5-160 psig
NTH **90-721**	Panel Mounting Nut	*NTH* **90-705** and *NTH* **90-715**	—	—	—
NTH **90-7021**	Replacement Coalescing Element	*NTH* **90-7011**	—	—	—
NTH **90-735**	Filter/Regulator/Lubricator	*NTH* **90-715**	1/4"	10	5-100 psig
NTH **90-764**	Auto Drain Kit	*NTH* **90-701**	—	—	—
NTH **90-722**	Mounting Bracket	*NTH* **90-740**	—	—	—
NTH **90-798**	Sight Feed Dome	*NTH* **90-740**	—	—	—
NTH **90-706**	Wall Mounting Bracket	*NTH* **90-705**	—	—	—

ELECTRIC AIR COMPRESSOR DRAIN

No more crawling under the compressor tank to manually open the tank drain. Simply install the Economatic Electric Drain. The drain can be adjusted to open and expel water from 1 to 60 minute intervals and the drain time (time the drain stays open draining water) can be adjusted from 1 to 30 seconds. Electric drain comes with a Y strainer which protects the drain by trapping debris. Max working pressure is 200 PSI. 1/4" NPT.

NTH **90-7001**

FLEXZILLA MADE IN USA

FLEXZILLA® WHIP HOSE WITH BALL SWIVEL

Flexzilla® is a revolutionary hose featuring a Flexible Hybrid Polymer material that redefines flexibility. This engineered polymer-blend material permits use in environments where general purpose PVC and rubber hose may become too stiff. Flexzilla hose characteristics offer zero memory allowing it to lay flat. It won't work against you during operation and coils easily after use. Flexzilla offers extreme all-weather flexibility, even in subzero conditions, and is ideal in both hot and cold environments where tight radius bends are needed.

Item No.	Hose Length	Fitting Size
NPT **61-3843**	2'	1/4" MNPT
NPT **61-3844**	4'	1/4" MNPT

⚠ WARNING: Cancer - www.P65Warnings.ca.gov.

FLEXZILLA

FLEXZILLA® RETRACTABLE AIR HOSE REEL

This retractable air hose reel with Flexzilla® premium air hose and bend restrictors is ideal for the home shop and features an auto-retract/auto-latch hose mechanism. Hose latches in 18" intervals. Made of durable polypropylene. Additional features include adjustable hose topper, 3' lead-in hose, and swivel mounting bracket for wall or ceiling. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1465**

Hose Reel Specifications

Item No.	Uses	Hose Length	Hose Inside Diameter	Hose End Fitting	Working Pressure (PSI) @ 70° F
BK **821-1465**	Air	50 Ft.	3/8"	1/4" NPT	150

FLEXZILLA

FLEXZILLA® RETRACTABLE AIR HOSE REEL, OPEN FACE, SINGLE AXLE ARM

Economical reel is perfect for indoor shop and industrial applications. The dual-supported axle can withstand the vibration of mobile installations and is ideal for roll-around service carts. Reel can be mounted on wall, bench, task or overhead. Heavy-duty steel with corrosion-resistant powder coating and four-way directional rollers add convenience. Fasteners stay tight even in mobile installations, and narrow size is ideal for easy placement and storage. Spring motor is fully enclosed and packed with grease. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1466**

Hose Reel Specifications

Item No.	Uses	Hose Length	Hose Inside Diameter	Hose End Fitting	Working Pressure (PSI)
BK **821-1466**	Air	50 Ft.	3/8"	1/4" NPT	300

⚠ WARNING: Cancer - www.P65Warnings.ca.gov

Legacy

LEVELWIND™ REEL REPLACEMENT AIR HOSE

For Air Hose Reel (*BK* **821-1366**) and Air/Water Hose Reel (*BK* **821-1367**). 3/8" I.D. x 50' L.

BK **715-9003**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Legacy Workforce®

WORKFORCE WHIP HOSE

Size: 3/8" x 5'
1/4" Fittings and Ball Swivel Red PVC

BK **827-2564**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

BK **821-1366**

AUTO-REWIND AIR/WATER HOSE REELS

Medium-duty, easy-to-use, auto-rewind hose reels are manufactured from durable, high-quality UV-stabilized polypropylene. Clock-type spring mechanism is factory preset for easy pulling and controlled rewind. Two-position switch enables user to choose between latching or free-run modes. Easy-to-install mounting bracket (*BK* **821-1371**) for wall or overhead installation included. Length: 50 ft.

Item No.	Description
BK **821-1366**	3/8" I.D. Levelwind Retractable Air/Water Hose Reel
BK **821-1367**	1/2" I.D. Levelwind Retractable Air/Water Hose Reel

⚠ **WARNING: (*BK* 821-1369) Cancer - www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 821-1367) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Auto-Rewind Hose Reel Specifications

Transfers	I.D.	Type	Working Pressure (PSI)	Inlet	Outlet	10 Ft. Lead-in Hose Item No.	Hose Reel Item No.
Air	3/8"	PVC	350	3/4"-11 M.	1/4" NPTM.	*BK* **827-2550**	*BK* **821-1366**
Air/Water	1/2"	PVC	350	3/4"-11 M.	1/2" NPTM.	*BK* **827-2551**	*BK* **821-1367**
Hot Water	5/8"	PVC	130	3/4"-11 M.	3/4"-11 M.	*BK* **827-2554**	*BK* **821-1368**
Oxy-Acetylene	1/4"	Twin/Rubber	200	9/16" UNF	9/16" UNF F.	*BK* **827-2555**	*BK* **821-1369**

AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Auto-Rewind Air/Water Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368**, and *BK* **821-1369**). For bench, floor, or high-wall mounting.

BK **821-1370**

AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Auto-Rewind Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368** and *BK* **821-1369**). For wall or overhead mounting (supplied as standard).

BK **821-1371**

WORKFORCE® MANUAL AIR HOSE REEL, OPEN FACE, FIXED, HEAVY-DUTY

Designed for rugged job site conditions, this reel is loaded with features, such as tapered-spool sidewalls and easy-access inlet connections. Reinforced-steel construction, baked-enamel powder-coat finish, and increased hose capacity meet the needs of today's contractor! Included 50' Workforce air hose features reinforced PVC construction and solid brass fittings. Provided bend restrictor prolongs life of air hose. Brake prevents hose from unwinding. Included mounting bracket allows reel to be mounted to a wall, workbench or vehicle. Also features heavy-duty, 1/4" brass inlet swivel and swivel handle. Heavy-duty, reinforced-steel drum for durability and long life. Lead-in hose (3/8" I.D. x 3') included.

Specifications

Air Hose:.....3/8" I.D. x 50'
Hose Capacity:..... 100' of 3/8" I.D.
Max. Operating Pressure: ..... 350 PSI
Reel Air Inlet:.....1/4" MNPT
Working Pressure:..... 350 PSI

BK **821-1373**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured.

SAMSON

3/8 IN. HEAVY-DUTY AIR/WATER HOSE REEL

Double pedestal hose reel.
Hose Size: 3/8" x 50' L.
Outlet: 3/8" NPT. Inlet Hose: 1/2" x 2' L.

BK **395-1906**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. HEAVY-DUTY AIR/WATER HOSE REEL

Double pedestal hose reel.
Hose Size: 1/2" x 50' L. Outlet: 1/2" NPT. Inlet Hose: 1/2" x 2' L.

BK **395-1908**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Hose Reel Specifications

Type	Size (I.D. x L.)	Hose End Fitting	Working Pressure (PSI)	Item No.
Air/Water/Water-Based Fluids	3/8" x 50'	3/8" NPT (M)	300	*BK* **395-1906**
Air/Water/Water-Based Fluids	1/2" x 50'	1/2" NPT (M)	300	*BK* **395-1908**

3/8 IN. ECONOMY AIR/WATER HOSE REEL

Double pedestal hose reel. Hose Size: 3/8" x 50' L. Outlet Size: 3/8" NPT. Inlet Hose: 1/2" x 2' L.

BK **823-1323**

Specifications

Type	Size (I.D. x L.)	Hose End Fitting	Working Pressure (PSI)
Air/Water/Water- Based Fluids	1/4" x 50'	3/8" NPT (M)	300

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

RETRACTABLE AIR/WATER HOSE REELS

Features circular hose guide with six rollers for smooth and easy operation. Can be latched at desired hose length, and guide arm can be mounted in three positions. Sintered, powder-coated aluminum base and arm assembly with corrosion-resistant, stainless steel fasteners. High-quality steel power spring for long life. For use with compressed air and low-pressure water. Inlet hose included.

3/8 IN. RETRACTABLE AIR/WATER HOSE REEL

Hose Length: 50 ft. x Outlet: 3/8" NPT (M).
Inlet Hose: 1/2" NPT (M).

BK **823-1127**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2 IN. RETRACTABLE AIR/WATER HOSE REEL

Hose Length: 50 ft. x Outlet: 1/2" NPT (M).
Inlet Hose: 1/2" NPT (M).

BK **823-1128**

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Hose Reel Specifications

Item No.	Type	Size (I.D. x L.)	Working Pressure	Hose End Fitting
BK **823-1127**	Air/Water	3/8" x 50'	300 PSI	3/8" NPT (M)
BK **823-1128**	Air/Water	1/2" x 50'	300 PSI	1/2" NPT (M)

Specifications subject to change without notice. Units may not be exactly as pictured.

Hose Reels

MICHIGAN INDUSTRIAL TOOLS

AUTOMATIC REWIND STEEL HOSE REEL

BK **821-1359**

Professional-grade Goodyear rubber air hose (250 PSI) stays flexible in cold weather. The heavy gauge, all-steel reel, driven by an internal spring-powered motor, neatly automatically rewinds and coils hose. Guided smoothly on and off the reel by an enclosed four-roller guide collar, air hose is locked at the desired length by a continuous, 8-position ratchet gear. This versatile reel can be mounted to ceiling, wall or floor - wherever it's convenient.

Item No.	Description
BK **821-1359**	50' x 3/8"
BK **821-1360**	50' x 1/2"

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FLEXZILLA® AIR HOSE

Flexzilla® is a revolutionary hose featuring a Flexible Hybrid Polymer material that redefines flexibility. This engineered polymer-blend material permits use in environments where general purpose PVC and rubber hose may become too stiff. Flexzilla hose characteristics offer zero memory allowing it to lay flat. It won't work against you during operation and coils easily after use. Flexzilla offers extreme all-weather flexibility, even in subzero conditions, and is ideal in both hot and cold environments where tight radius bends are needed.

- Extreme all-weather flexibility (-40° to 140°F)
- Max. working pressure at 70°F: 300 psi"

Item No.	Description
NPT **61-3894**	3/8" I.D. x 25' L.; 1/4" MNPT
NPT **61-3895**	3/8" I.D. x 50' L.; 1/4" MNPT
NPT **61-3892**	1/2" I.D. x 25' L.; 3/8" MNPT
NPT **61-3893**	1/2" I.D. x 50' L.; 3/8" MNPT

Legacy Workforce®

RUBBER AIR HOSES

Workforce® rubber hose assemblies are designed for a wide range of industrial, construction and agricultural applications. Featuring reinforced synthetic rubber tube and cover with a synthetic yarn weave for extra strength and flexibility.

Specifications

Tube: .....VRMA Class C (Med. Oil Resistance)
Working Pressure:.....300 PSI (20.68 Bar)

Item No.	Description
NPT **61-3837**	1/4" I.D. x 25'; 1/4" MNPT
NPT **61-3838**	1/4" I.D. x 50'; 1/4" MNPT
NPT **61-3839**	3/8" I.D. x 25'; 1/4" MNPT
NPT **61-3840**	3/8" I.D. x 50'; 1/4" MNPT
NPT **61-3841**	1/2" I.D. x 25'; 3/8" MNPT
NPT **61-3842**	1/2" I.D. x 50'; 3/8" MNPT

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR HOSE ASSEMBLIES

Working pressure with 4:1 safety factor. High quality, excellent abrasion and weathering resistance for long life. Lightweight, flexible, easy handling, extremely versatile and oil resistant. Temperature range from up to 150° F. Kink resistant. Working pressure: 300 PSI.

Specifications

Item No.	I.D.	O.D.	Length	Color
BK **715-1513**	1/4"	1/2"	25'	Blue
BK **715-1515**	3/8"	5/8"	25'	Blue
BK **715-1516**	3/8"	5/8"	50'	Blue

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR HOSE ASSEMBLIES

PVC air hose assembly features solid brass 1/4" MNPT fittings. Oil and abrasion resistant outer cover and extra strong polyester. Working pressure: 200 PSI.

Specifications

Item No.	I.D.	O.D.	Length	Color
BK **715-1522**	3/8"	1/4"	50'	Orange

SELF-STORING AIR HOSES

Stretch and recoil like a telephone cord. Equipped with spring guards, tube inserts and standard compression fittings. Tough, abrasion-resistant nylon construction. Maximum Working Pressure: 200 PSI.

Item No.	Description
BK **715-1510**	1/4" I.D. x 12' L.
BK **715-1500**	1/4" I.D. x 25' L.
BK **715-1511**	1/4" I.D. x 50' L.
BK **715-1503**	1/4" Straight Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1504**	1/4" Swivel Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1501**	3/8" I.D. x 25' L.
BK **715-1512**	3/8" I.D. x 50' L.
BK **715-1505**	3/8" Swivel Fitting (For *BK* **715-1501**, *BK* **715-1512**)
BK **715-1502**	1/2" I.D. x 25' L.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured.

SAMSON

UNIVERSAL HOSE STOPS

Item No.	Description
BK **715-1556**	1/4" Hose
BK **715-1557**	3/8" Hose
BK **715-1558**	1/2" Hose

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

24 IN. AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color :.....Red
Lead in Hose I.D.: ..... 1/4"
Lead in Hose Length : ..... 24"
Lead in Hose Thread Size :.....1/4" NPT
Ball Swivel End : ..... Yes
Flow Control Valve :..... No
Lead in Hose Material :..... PVC

NTH **90-450**

60 IN. AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color :.....Red
Lead in Hose I.D. : ..... 1/4"
Lead in Hose Length : ..... 60"
Lead in Hose Thread Size :.....1/4" NPT
Ball Swivel End : ..... Yes
Flow Control Valve :..... No
Lead in Hose Material :..... PVC

NTH **90-452**

30 IN. AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color :.....Red
Lead in Hose I.D. : ..... 3/8"
Lead in Hose Length : ..... 30"
Lead in Hose Thread Size :.....1/4" NPT
Ball Swivel End : ..... Yes
Flow Control Valve :..... No
Lead in Hose Material :..... PVC

NTH **90-454**

LARGE TANK AIR HOSE

Replacement hose for large air tanks. Coupler includes tire chuck. Coupler Size: 1/4" x 1/4". Working Pressure: 200 PSI. Inner Diameter: 1/4".

BK **770-6995**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PORTABLE 5 GALLON AIR TANK

Heavy-duty, 5 gallon portable air tank features with solid brass manifold and On/Off switch, as well as all brass fittings and chuck. High-grade, 4' industrial hose and gauge. Dimensions: 10 1/2" dia. x 20" long. Working Pressure: 125 PSI.

NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-1350**	Portable 5-Gallon Air Tank
BK **770-6996**	Replacement Gauge, 1/4" NPT
BK **770-6997**	Replacement Manifold

⚠ **WARNING: (*BK* 821-1350) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 770-6996 & *BK* 770-6997) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PORTABLE 10 GALLON AIR TANK

Heavy-duty tank features welded-steel construction and includes pressure gauge, filler valve, and 4' heavy-duty hose with tire chuck. Working Pressure: 125 PSI. Dimensions: 12 1/2" Dia. x 20 1/2" L.

NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-7016**	Air Tank
BK **770-6996**	Gauge, 1/4" NPT Replacement
BK **770-6997**	Manifold, Replacement

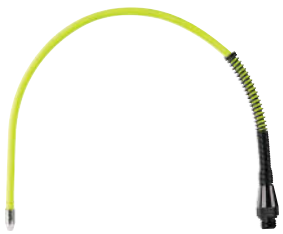
⚠ **WARNING: (*BK* 821-7016) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 770-6996 & *BK* 770-6997) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Specifications subject to change without notice. Units may not be exactly as pictured.

Cleaning Wands & Air Hose Couplers

FLEXZILLA® FLEXIBLE 16 IN. BLOW GUN EXTENSION



The Flexzilla® blow guns to be customized for extension length and tips needed for any job.

- Spring bend restrictor
- O-ring seal on threads
- Flexible hybrid polymer cover
- Bendable extension that holds its position
- Thread size: 1/2 in. – 20 UNF male
- Labeled to meet or exceed OSH standards
- 1/8 in. Inlet size

NPT **61-3968**

⚠ **WARNING: This product can expos Oe you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

FLEXZILLA® PRO HD COUPLER 5 PC. KIT 3/8 IN. NPT, TYPE H

ZVR™ Technology (Zero Valve Restriction) provides absolute throughput and feeds your tool the maximum CFM possible, making Flexzilla® Pro couplers the best choice for maximum performance from your air tools.

- Non-marring
- Connect and disconnect under zero pressure
- For use with Flexzilla® Pro heavy-duty plugs

Contents: (1) FNPT Coupler, (1) MNPT Coupler, (1) FNPT Plug, (2) MNPT Plugs

NPT **61-3961**

⚠ **WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

RADIATOR GENIE INDUSTRIAL XL HIGH PRESSURE CLEANING WAND

The Radiator Genie industrial is a specially designed tool that was developed specifically with heavy-duty applications and industrial professions in mind.

- Water/air in a single wand
- Interchangeable air/water fitting
- Super tough all-metal handle and design
- Extra long tube to access confined areas
- Specially designed fan head to increase working width
- Extends the life of your equipment by keeping it clean and cool

NAC **RGIX5001**

FLEXZILLA® PRO HD COUPLER 5 PC. KIT 1/2 IN. NPT, TYPE H

ZVR™ Technology (Zero Valve Restriction) provides absolute throughput and feeds your tool the maximum CFM possible, making Flexzilla® Pro couplers the best choice for maximum performance from your air tools.

- Non-marring
- Connect and disconnect under zero pressure
- For use with Flexzilla® Pro heavy-duty plugs

Contents: (1) FNPT Coupler, (1) MNPT Coupler, (1) FNPT Plug, (2) MNPT Plugs

NPT **61-3966**

⚠ **WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

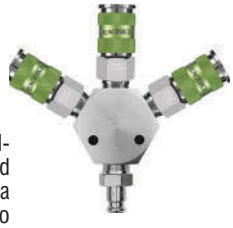
RADIATOR GENIE HIGH PRESSURE AIR AND WATER CLEANING WANDS

The Radiator Genie has two 23 in. wands; one water wand for washing out debris and one air wand for blowing out debris. It's so versatile it can be used on a variety of machines, high efficiency cooling systems and all types of radiators.

- Extends the life of your equipment by keep them clean and running cool
- Patented precision fan head increases pressure and working width
- Special sized tube to access confined areas
- Great for stacked coolers on today's heavy equipment, all air filters and any tough-to-reach areas
- Adjustable pressure and Always On feature
- Allows more time running your machines with less down time
- Air wand attaches to an air compressor
- Water want attaches to a standard garden hose

NAC **RG1002BK**

FLEXZILLA® PRO HIGH FLOW 3-WAY 3/8 IN. NPT MANIFOLD WITH COUPLERS



Flexzilla® Pro high flow couplers and plugs allow twice the flow to your air tools compared to standard interchanges. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensure the best performance your air system can provide.

- Push-to-Connect System
- Maximum torque and RPM
- Increased efficiency
- Best performance
- Ideal for spray guns, impact tools or any high output tool
- Female

NPT **61-3967**

⚠ **WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

FLEXZILLA® PRO 1/2 IN. COUPLERS, TYPE H

ZVR™ Technology (Zero Valve Restriction) provides absolute throughput and feeds your tool the maximum CFM possible, making Flexzilla® Pro couplers the best choice for maximum performance from your air tools.

- Non-marring
- Connect and disconnect under zero pressure
- For use with Flexzilla® Pro heavy-duty plugs

Item No.	Size	End Type
NPT **61-3957**	3/8"	FNPT
NPT **61-3958**	3/8"	MNPT
NPT **61-3962**	1/2"	FNPT
NPT **61-3963**	1/2"	MNPT

⚠ **WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

FLEXZILLA® PRO HD 1/2 IN. PLUG, TYPE H

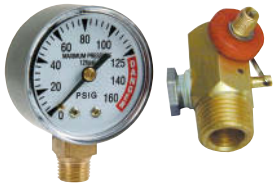
ZVR™ Technology (Zero Valve Restriction) provides absolute throughput and feeds your tool the maximum CFM possible, making Flexzilla® Pro couplers the best choice for maximum performance from your air tools.

- Non-marring
- Connect and disconnect under zero pressure
- For use with Flexzilla® Pro heavy-duty safety couplers

Item No.	Size	End Type
NPT **61-3959**	3/8"	FNPT
NPT **61-3960**	3/8"	MNPT
NPT **61-3964**	1/2"	FNPT
NPT **61-3965**	1/2"	MNPT

⚠ **WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

REPLACEMENT GAUGE & MANIFOLD



Replacement parts for Portable 5 and 8 gallon air tanks (*BK* **821-1350** and *BK* **821-7016**).

Item No.	Description
BK **770-6996**	Gauge, 1/4" NPT
BK **770-6997**	Manifold

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ON-SITE CRIMPER KIT

Tote with lid contains everything needed for on-site hose make-up and repair. Includes crimper, fittings, couplings, and ferrules.

NTH **90-925**

Contents

Qty.	Item No.	Description
1	*NTH* **90-910**	Hose Crimper
5	*NTH* **90-542**	1/4" Male NPT fitting for 3/8" ID hose
5	*NTH* **90-546**	1/4" Male NPT fitting for 1/4" ID hose
3	*NTH* **90-552**	Repair coupling for 3/8" ID hose
3	*NTH* **90-556**	Repair coupling for 1/4" ID hose
10	*NTH* **90-916**	Ferrules for 5/8" OD hose
10	*NTH* **90-919**	Ferrules for 3/4" OD hose

AIR HOSE CRIMPER

Provides production capability and big tool crimping advantages at a fraction of the cost of other tools offering comparable results. Constructed with high-strength ductile iron castings. Five hardened steel ribbed die sets are included for crimping 1/4" 1-braid through 3/8" 2-braid compressed air line hose. All of the dies are in place for instant use. Unit is completely portable. Use with the brass ferrules listed below and standard hose barb fittings shown on the next page. Easy one-hand operation. Designed to make-up new air line hoses or repair cracked or broken air hoses. 1/pack.

NTH **90-910**

HOSE CRIMPER REPLACEMENT DIE

Each contains a replacement crimping die set for larger size hose. Simply remove a die set from the *NTH* **90-910** and replace with the die set needed.

Item No.	Description
NTH **90-910A**	For Crimping Hose With This O.D. 3/4"
NTH **90-910B**	For Crimping Hose With This O.D. 13/16"

HOSE FERRULES

Pick ferrule that most closely matches outside diameter of hose. Sold in packs of 25.

Item No.	For Hose O.D.
NTH **90-913**	1/2"
NTH **90-914**	9/16"
NTH **90-915**	19/32"
NTH **90-916**	5/8"
NTH **90-917**	21/32"
NTH **90-918**	11/16"
NTH **90-919**	3/4"
NTH **90-920**	25/32"
NTH **90-921**	13/16"
NTH **90-922**	7/8"

Specifications subject to change without notice. Units may not be exactly as pictured.

3-IN-1 ALUMINUM MANIFOLD ADAPTER

Allows for operation of three different tools from one supply hose. Mounts overhead or to pipe at workbench and permits multiple workers to access air supply.

Item No.	Description
NTH **90-459**	1/4" NPT Female Inlet Port and 3 NPT 1/4" female outlet ports
NTH **90-4591**	1/2" NPT Female Inlet Port and 3 NPT 1/4" female outlet ports

IN-LINE AIR TOOL FILTER

In-line filter protects air tools from dirt and debris and can be attached directly to pneumatic tools. Male and female 1/2" NPT ends.

Specifications

Length: ..... 19/16"
Weight: ..... 1/2 oz.
Filter material: ..... 40 micron sintered bronze element

NTH **90-7502**

NTH **90-571**

NTH **90-560**

NTH **90-568**

NTH **90-562**

REUSABLE HOSE FITTINGS

Make airtight connections without hose clamps. Must closely match hose O.D and I.D with dimensions in table below.

Item No.	Hose I.D.	Hose O.D.
1/4" NPT Hose End Fittings		
NTH **90-571**	1/4"	1/2"
NTH **90-572**	1/4"	1/4"
NTH **90-570**	1/4"	5/8"
NTH **90-562**	3/8"	23/32"
Repair Couplings		
NTH **90-568**	1/4"	19/32"
NTH **90-564**	1/4"	5/8"
NTH **90-560**	3/8"	3/4"

HOSE REPAIR SPLICERS

Item No.	Hose I.D.
NTH **90-556**	1/4"
NTH **90-554**	5/16"
NTH **90-552**	3/8"
NTH **90-558**	1/2"

THREADED BRASS PIPE COUPLING

Provides fast, easy and reliable means of joining pneumatic and fluid transfer lines. Designated separately by type 1. Inlet size: 1/4"

NTH **90-678**

NTH **90-541**

NTH **90-458**

NTH **90-457**

STANDARD HOSE BARB FITTINGS

Select fitting that matches correct hose I.D. Fittings must be secured with hose clamp or crimped-on ferrule (see *NTH* **90-910** hose crimper).

Item No.	Hose I.D.	Thread Size
Male Thread Fittings		
NTH **90-547**	1/4"	1/8" NPT
NTH **90-546**	1/4"	1/4" NPT
NTH **90-546SS**	1/4"	1/4" NPT
NTH **90-544**	5/16"	1/4" NPT
NTH **90-542**	3/8"	1/4" NPT
NTH **90-542SS**	3/8"	1/4" NPT
NTH **90-540**	1/2"	1/4" NPT
NTH **90-543**	3/8"	3/8" NPT
NTH **90-541**	1/2"	1/2" NPT
Male Thread Fittings with 360° Ball Swivel		
NTH **90-456**	1/4"	1/4" NPT
NTH **90-458**	3/8"	1/4" NPT
Female Thread Fittings		
NTH **90-550**	1/4"	1/4" NPT
NTH **90-548**	3/8"	1/4" NPT

WARNING: Hose fittings featuring conventional hose barbs must be fastened with either a hose clamp or crimped on ferrule. Be sure to select a fitting that matches the inside diameter of the hose.

WARNING: With re-usable hose fittings, you can make an airtight connection without ferrules or hose clamps. A connection will be strong than the hose itself if the hose measurements match the outside and inside diameters listed on the above charts.

Disregarding these instructions and recommendations could cause the fitting to separate from the hose resulting in injury or property damage.

Specifications subject to change without notice. Units may not be exactly as pictured.

2-Post Lifts 714-720
4-Post Lifts 721-727
ATV/Motorcycle Lift 705
Bottle Jacks 705-706
Car Dollies 713
Chain Hoists & Pullers 732
Clutch Jack 705
Commercial Vehicle Lifts 712
Engine Crane & Stands 711
Engine Support 710
Lift & Support Stands 712
Load Levelers 712
Mobile Column Lifts & Accessories 730-732
Ram Kit 708
Scissor Lifts 727-728
Service Jacks 726-703
Transmission Jacks 708-710
Truck Jacks 704
Truck Ramps 713
Under Hoist Support Stands 710
Vehicle Stands 706-707
Wheel Handler 713

Service Jacks

CARLYLE TOOLS by NAPA

2019 PTEN INNOVATION AWARDS AWARD WINNER

3.5-TON LOW PROFILE, LONG REACH SERVICE JACK

Features

- Patented frame design provides low profile for access under low ground clearance vehicles. Distinct frame flange design for increased strength and prohibits damage from torsion loads
- Low profile long lift arm throw gives access to under vehicle components
- Patented front wheel design provides wide width look while providing less rolling resistance
- Long two-piece handle for more reach under vehicle
- Patented design Carlyle® saddle with NAPA® hexagonal logo shape includes rubber insert pad for undercar component protection against marring and scratching when pumping
- High performance pressure seals for extended life and use in adverse temperature and pressure conditions
- High performance hydraulic fluid with additives providing more lubricity, less contaminants and use in adverse temperature conditions
- Factory full lubrication with moisture-resistant grease on all bearing surfaces
- Load-limiting and bypass valves to prevent use beyond working capacity and over-extension of ram

Specifications

Weight: ..... 102 lbs.
Dimensions: ..... 27.5" L x 14.56" W x 6.37" H
Jack Lift Distance: ..... 3.7" - 21"
Jack Closed Height: ..... 3.7" H
Jack Raised Height: ..... 21" H
Jack Saddle Diameter: ..... 4.56" (6-Sided)
Handle Length: ..... 50" L
Lift Capacity: ..... 3.5 Ton

NLE **791-6440** Service Jack
NLE **791-6442** Replacement Saddle Pad

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

3.5-TON PROFESSIONAL SERVICE JACK

Best Seller

- 2 pump pistons (50% Faster to Load)
- Fully sealed hydraulic unit (Significantly Reduces "Air Bound" Conditions)
- No breather to install
- Fabricated steel lift arm
- Safety bypass valve prevents overloading
- Handle pad and lift saddle pad included

Specifications

Unit Weight ..... 112 lbs
Dimensions ..... 28.75" x 14.75" x 6.75
Jack Lift Distance ..... 15.63"
Jack Closed Height ..... 4"
Jack Raised Height ..... 20.50"
Jack Saddle Diameter ..... 5.50"
Handle Length ..... 50.25" L
Lift Capacity ..... 3.5 Ton

Item No.	Description
NLE **791-6420**	Professional Service Jack
NLE **791-6421**	Handle Pad
NLE **791-6422**	Saddle Pad

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT™

TROLLEY JACK WITH 2 VEHICLE STANDS

Hydraulic, 2-ton standard series jack is perfect for the home mechanic. Jack features a short chassis constructed from 1-gauge steel for strength and durability. Rear swivel casters and swivel design load saddle help secure loads.

Specifications

Jack Lift Distance: ..... 9"
Lift Capacity: ..... 2 Ton

BK **899-2022**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT™

3.5-TON FLOOR JACK

This 3½ ton low profile professional floor jack lifts large loads with ease. With a high maximum-lift capability of 21" and low profile design makes it a valuable addition to your garage tool collection. Features a load control adjustment to achieve any lift height with ease. The low profile design makes it easy to reach lifting points under most vehicles. Built-in safety overload system that prevents use beyond its rated capacity. Constructed with heavy-duty steel dual formed flanges for extra stability and strength. Includes a 50½" 2-piece quick release extended handle with foam bumper pad for efficiency and better leverage. Rubber saddle pad. Reinforced structural lifting arm and thick u-channel frame side plates will keep all your jobs solid. Meets ASME PASE 2014 safety standards. Sealed cast iron pump base operates twin pistons for faster rising action. Polished inner cylinder walls extend the life of the seals to minimize abrasion wear.

Specifications

Unit Weight: ..... 96 lbs.
Dimensions: ..... 29.92" x 13.58" x 6.69"
Jack Lift Distance: ..... 17.2"
Jack Closed Height: ..... 3.86"
Jack Raised Height: ..... 21.06"
Jack Saddle Diameter: ..... 4.75" x 4.31"
Handle Length: ..... 50.5" L
Lift Capacity: ..... 7,000 lbs

BK **776-1238**

MAHLE

6 TON COMMERCIAL VEHICLE JACK, CSJ-6A

Heavy duty steel frame design stands up to the most vigorous shop use, Large front wheels and long life heavy duty rear swivel castors allow ease of portability and durability.

Item No.	Description
RTI **4858002400**	CSJ-6A
RTI **4858002300**	CSJ-10A

EVERCRAFT

3-TON SUV TROLLEY JACK

This jack is small in size but big on performance. The 360° rotating saddle provides exceptional versatility for use with multiple vehicles and also includes an extension adapter for higher clearance SUV's. Designed for car, light truck and SUV. Positive locking safety release handle for exceptional safety during use. Oil, grease and dirt-resistant protective paint for fast and easy cleanup. Rear swivel casters for easy maneuvering and positioning. Meets ASME PASE 2014 safety standards. SUV adapter holder on the side plate. Integrated overload protection valve prevents the lifting of items in excess of capacity.

Specifications

Unit Weight: ..... 43 lbs.
Dimensions: ..... 24.88" x 9.53" x 6.22"
Jack Lift Distance: ..... 14.96"
Jack Closed Height: ..... 5.91"
Jack Raised Height: ..... 20.87"
Jack Saddle Diameter: ..... 2.19"
Handle Length: ..... 24.44" L
Lift Capacity: ..... 6,000 lbs

BK **776-1237**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

3-TON FLOOR JACK

Built-in safety valve protects against jack being over-loaded. Heavy duty steel construction provides stability and endurance. Swivel saddle and rear casters provide smooth maneuvering and positioning. Hydraulic oil by-pass system protects ram from being over-extended.

Specifications

Dimensions: ..... 26.77" L x 13.46" W x 7.28" H
Handle Length: ..... 39.37"
Closed Height: ..... 5.25"
Lift Distance: ..... 14.25"
Raised Height: ..... 19.5"
Saddle Diameter: ..... 4.33"
Lift Capacity: ..... 3 Ton

BK **776-1435**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

2019 PTEN INNOVATION AWARDS AWARD WINNER

2-TON HYBRID FLOOR JACK

- Patented design combines strength of steel with weight benefits of aluminum
- Double pump pistons deliver fast saddle rise to the load
- Low profile design allows increased clearance underneath vehicles
- Rear grab handle makes the jack easy to carry and position under a vehicle

Specifications

Unit Weight ..... 66 lbs
Jack Lift Distance ..... 15.8"
Jack Closed Height ..... 3.6"
Jack Raised Height ..... 19.4"
Jack Saddle Diameter ..... 4.56"
Handle Length ..... 46"
Lift Capacity ..... 2 Ton

NLE **791-6450**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

2-TON EXTRA LONG, LOW PROFILE SERVICE JACK

- Patented formed steel frame for tough, rugged construction. Patented pending front wheel design provides wide width look while providing less rolling resistance.
- Long handle for more reach under vehicle
- High performance pressure seals and hydraulic fluid for extended life and use in adverse temperature and pressure conditions
- Patented design saddle with NAPA hexagon logo shape includes rubber insert pad for undercar component protection against marring and scratching. Handle pad to protect vehicle when pumping
- Distinct frame flange design for increased strength and stability under torsion loads
- Factory full lubrication with moisture resistant grease on all bearing surfaces. Load-limiting and bypass valves to prevent use beyond working capacity and over-extension of ram
- Complies with latest ASME PASE-2014 Safety Standards. Patented frame design provides low saddle height and long, low profile frame and lift arm for access under low ground clearance vehicles

Specifications

Unit Weight: ..... 102 lbs.
Dimensions: ..... 32.75" x 14.5" x 6"
Jack Lift Distance: ..... 2.75" - 24.25"
Jack Closed Height: ..... 2.75"
Jack Raised Height: ..... 24.25"
Jack Saddle Diameter: ..... 4" (6-Sided)
Handle Length: ..... 50" L
Lift Capacity: ..... 2 Ton

NLE **791-6445**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

For your safety and to prevent injury, use service jack for lifting purposes only. Always support vehicle with jack stands.

Service Jacks

2-TON JACK

Jack features professional grade lightweight aluminum construction, allowing for easy maneuverability.

Specifications

Capacity ..... 2 Ton
Closed Height ..... 36.8 in.
Raised Height..... 76 in.
Lift Distance..... 39.2 in.
Weight ..... 212.7 Lbs.

CHT **791-6460**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

2.5-TON FLOOR JACK

This fast rising 2½ ton hydraulic aluminum and steel jack features dual pistons that take only 9 strokes to reach maximum lift. Low profile stance makes it great for use under lower vehicles. Perfect in garages and shop applications. Side handle makes for easy carrying. Crafted with a heavy-duty nodular steel pump, steel lifting arm and aluminum chassis. Built with high strength aircraft grade aluminum. 2 built-in side carrying handles for easy transport. Dual front wheels and heavy-duty rear caster wheels for easy positioning. Meets ASME PASE 2014 safety standards. 49.2" 2-piece snap-together handle with foam bumper padding. Lifting saddle rotates 360° for versatility. Built-in safety overload system prevents use beyond its rated capacity.

Specifications

Unit Weight: ..... 58 lbs.
Dimensions:..... 25.94" x 11.38" x 6.5"
Jack Lift Distance: ..... 14.37"
Jack Closed Height: ..... 3.94"
Jack Raised Height:..... 18.31"
Jack Saddle Diameter:..... 4.31"
Handle Length:..... 49.2" L
Lift Capacity:..... 5,000 lbs

BK **776-1239**

For your safety and to prevent injury, use service jack for lifting purposes only. Always support vehicle with jack stands.

ASME PASE-2014 SAFETY STANDARDS
American Society of Mechanical Engineers / Portable Automotive Lifting Devices. Formed in 1979 and accredited by ANSI (American National Standards Institute) Revisions: 1993, 1997, 2003, 2005, 2009. (current)

EVERCRAFT

2-1/4-TON COMPACT SERVICE JACK

Features

- Full 90° pumping arc
- Replaceable power unit
- Heavy gauge steel frame
- Large wide track front wheels
- Heavy-duty rear swivel casters

Specifications

Weight ..... 73 lbs.
Dimensions..... 25.375" L x 13.375" W x 5.25" H
Lifting Range ..... 5.25" – 19.5"
Handle Length..... 47"
Capacity ..... 2.25 Tons

BK **776-1007**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

2-TON FLOOR JACK

Features

- Lightweight design for easy mobility and transportation
- Overload and bypass valves prevent the jack from being used beyond its rated capacity
- Swivel casters and 360° rotating saddle make positioning easy

Specifications

Weight ..... 18.75 lbs.
Dimensions..... 17.5" L x 7.875" W x 5.31" H
Lifting Range ..... 5.3" - 13.19"
Handle Length..... 16.625"
Capacity ..... 2 Tons

BK **776-1005**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

2-TON HIGH LIFT TROLLEY JACK

Features

- Lightweight design for easy mobility and transportation
- Overload and bypass valves prevent the jack from being used beyond its rated capacity
- Swivel casters and 360° rotating saddle make positioning easy
- Extended lifting range

Specifications

Weight ..... 28.66 lbs.
Dimensions..... 19.68" L x 8.27" W x 5.31" H
Lifting Range ..... 5.31" - 15.16"
Handle Length..... 19.68"
Capacity ..... 2 Tons

BK **776-1006**

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

2-TON FLOOR JACK

Lightweight design for easy mobility and transportation. Overload and bypass valves prevent the jack from being used beyond its rated capacity. Swivel casters and 360° rotating saddle make positioning easy. Blow-molded case included for easy storage. Dimensions: 17.5" L x 7.875" W x 5.31" H.

BK **776-1004**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

1.5-TON FLOOR JACK

This aluminum and steel service jack features a low-profile design and quick-lifting hydraulic system to handle a variety of lifting needs. Built with high strength aircraft aluminum. Rear swivel casters for easy maneuvering and positioning. Universal joint release mechanism for precision control. Foam bumper on handle to prevent damage to vehicle finish. Integrated overload protection valve prevents the lifting of items in excess capacity. Meets ASME PASE 2014 safety standards. Full 360° swivel saddle with rubber grip seat. Side handle makes for easy carrying. Low profile design for low pick-up accessibility.

Specifications

Unit Weight: ..... 37.4 lbs.
Dimensions: ..... 22.68" x 9.84" x 6.1"
Jack Lift Distance: ..... 11.41"
Jack Closed Height: ..... 3.35"
Jack Raised Height: ..... 14.76"
Jack Saddle Diameter: ..... 3.94"
Handle Length: ..... 39.88" L
Lift Capacity: ..... 1.5 Ton

Safety Standard Compliances ASME PASE 2014

BK **776-1235**

5-TON MANUAL SERVICE JACK

CARLYLE TOOLS by NAPA

Features

- Extra-long chassis reaches under low overhangs
- T-handle permits easier maneuvering
- Extra-strong steel side plates resist twisting
- Full-swivel rear casters and lifting cap ease positioning
- Sealed hydraulic unit keeps out grit, grime and moisture
- Automatic valve prevents overloading
- Foot pedal for quicker saddle raising to the load

Specifications

Capacity: ..... 5 Ton
Low Height: ..... 5.75"
Raised Height: ..... 22"
Length: ..... 55.5"
Chassis Width: ..... 6.77"
Chassis Width w/Swivel Caster Bracket: ..... 14.72"
Handle Length: ..... 45.75"
Saddle Diameter: ..... 5.75"
Shipping Weight: ..... 232 lbs.

NLE **791-6570**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

10-TON SERVICE JACKS

Features

- Rugged solid steel side plates add strength
- Chassis and handle reach under long, low overhangs
- Pump handle effort greatly reduces operator fatigue even at near-capacity loads
- Hydraulic unit base is sealed for long life and reliability – keeps out dirt and grime
- Large forged steel lifting cap adds durability
- Ball bearing mounted wheels and casters make positioning and maneuverability easy
- Automatic valve prevents overloading

CARLYLE TOOLS by NAPA

10-TON MANUAL SERVICE JACK

Specifications

Low Height: ..... 6.25"
Raised Height: ..... 22.5"
Length: ..... 61"
Chassis Width: ..... 7.0625"
Chassis Width w/Swivel Caster Bracket: ..... 18.5"
Handle Length: ..... 45.75"
Saddle Diameter: ..... 5.88"
Shipping Weight: ..... 359 lbs.

NLE **791-6600**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

10-TON AIR/HYDRAULIC SERVICE JACK

Jack operates manually or with air.

Specifications

Required Air Pressure: ..... 100 PSI
Low Height: ..... 6.25"
Raised Height: ..... 22.5"
Length: ..... 61"
Chassis Width: ..... 7.75"
Chassis Width w/Swivel Caster Bracket: ..... 18.38"
Handle Length: ..... 45.75"
Saddle Diameter: ..... 5.875"
Shipping Weight: ..... 364 lbs.

NLE **791-6620**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

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Truck Jacks

20-TON ECONOMY AIR TRUCK JACK

Jack stands vertical for storage and features a self-retracting ram. Safety valves protect against overloading and over extension. Includes wo 4" high adapters.

Specifications

Jack Closed Height: ..... 8.625"
Jack Lift Distance: ..... 3.875"
Jack Raised Height:..... 15.3" includes 2.75" screw
Lift Capacity:..... 20 Ton
Shipping Weight:..... 53 lbs.

NLE **791-7332**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HYDRAULIC RAM 22/35-TON TRUCK JACK

Designed for use in truck and farm implement dealer service departments, bus company garages, truck fleet maintenance shops, and heavy-duty construction equipment facilities. Rugged and reliable, with the lifting power to handle big jobs.

Features

- Powerful, compact, portable design
- Large, 8" rubber wheels for easy maneuverability
- Low height for lifting from axles or suspension
- Built-in overload valve
- Two-stage Ram

Specifications

Capacity (1st Ram):..... 35 Tons
Capacity (2nd Ram):..... 22 Tons
Extension Screw: ..... 3.38"
Handle Length:..... 49"
Low Height: ..... 8.63"
Max. Height w/Extension Screw:..... 19.75"
Power Lift: ..... 7.75"
PSI Requirement: ..... .100
Shipping Weight:..... 119 lbs.

NLE **791-7330**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

22-TON AIR/HYDRAULIC TRUCK JACK

Jack features overload and bypass safety valves to prevent the jack from being used beyond its rated capacity and ram overextension. Includes four adapters (1.875" & 2.65" diameter saddles and 2" and 4" extension adapters) with handle mounted saddle holder and 8" pneumatic wheels for easy maneuverability.

Specifications

Handle Length:..... 41.25"
Jack Closed Height: ..... 8.38"
Jack Raised Height w/Adapter & Extension Screw: ..... 21.38"
Jack Saddle Diameter:..... 1.75"
Lift Capacity:..... 22 Ton
Shipping Weight:..... 110 lbs.

NLE **791-3001**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

25/50-TON AIR TRUCK JACK

Jack features long chassis allowing for versatility with the convenience of air.

Specifications

Lift Capacity:..... 25/50 Tons
Adapters:..... 1.7 in. and 3 in.
Closed Height: ..... 8.4 in.
Raised Height:..... 22.2 in.
Lift Distance:..... 9 in.
Weight: ..... 160 Lbs.

CHT **791-9001**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

44-TON TRUCK AXLE JACK W/AIR RETURN

Jack features long chassis allowing for versatility with the convenience of air.

Specifications

Lift Capacity:..... 44 Tons
Adapters:..... 3 in. and 4.7 in
Closed Height: ..... 8.25 in.
Raised Height:..... 21 in.
Lift Distance:..... 5.1 in.
Weight: ..... 95 Lbs.

CHT **791-9000**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

25 TON AXLE JACK, CAJ-25

Quick Lift Feature allows the ram to load at quicker rate of speed, Low 8" starting height allows for easy positioning, Air Ram Retract without reconnecting shop air.

RTI **4858005100**

CARLYLE TOOLS by NAPA

300 LB. CLUTCH JACK WITH FLYWHEEL ADAPTER SET

- 360° Rotating handle can be activated in any position
- Tilt saddle enables clutch and jack to be maneuvered under low ground clearance trucks
- Over-load and bypass valves prevent jack from being used beyond working capacity and over extension of ram
- Flywheel adapter included
- Saddle adjustment bolt aligns clutch and flywheel
- 1 3/4" and 2" diameter spline shafts included
- Bearing mounted swivel caster wheels for easy maneuverability

Specifications

Lift Capacity:..... 300 lbs.
Degree Saddle Tilt:..... 90°
Dimensions:.....41" x 22"
Jack Closed Height:..... 11.3"
Jack Lift Distance:..... 27.3"
Jack Raised Height:..... 38.6"
Jack Weight:..... 132 lbs.

NLE **791-1210**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

1,000 LB. CAPACITY ATV/MOTORCYCLE LIFT

Lift is ideal for motorcycles, ATVs, lawn and garden tractors and more. Easy foot pedal lifting and release gives you precise control.

Specifications

ATV Lift Base Size:.....29.94" L x 13.39" W.
Lift Range:..... 5.12" to 13.78".
Shipping Weight:.....57.3 lbs.

BK **776-6010**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HYDRAULIC BOTTLE JACKS 12- & 20-TON

Always support vehicle with jack stands immediately after lifting.

Features

- Cast steel base for extra strength
- Pretapped base to accept pressure gauges
- Hydraulic bypass circuit prevents ram over-travel
- May be operated horizontally
- Automatic valve provides overload protection
- Complete seal kits available

NLE **791-2290** *NLE* **791-2230** *NLE* **791-2240** *NLE* **791-2330**

Specifications

Item No.	Capacity	Closed Height	Extension Screw	Maximum Height	Power Lift	Saddle Diameter	Base Size	Weight
NLE **791-2230**	12 Ton (Short)	7"	3"	13.50"	3.50"	1.75"	4.13" x 6.50"	16.3 lbs.
NLE **791-2290**	12 Ton	9.50"	3.13"	18.25"	5.63"	1.75"	4.13" x 6.50"	18.716 lbs.
NLE **791-2240**	20 Ton (Short)	7.25"	1.50"	12.13"	3.38"	2.13"	4.63" x 7.13"	19.816 lbs.
NLE **791-2330**	20 Ton	10.63"	—	16.88"	6.25"	2.13"	4.63" x 8.50"	37.9 lbs.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

AIR/HYDRAULIC BOTTLE JACKS

Features

- Manual pump or high speed air motor efficiently raises saddle to the desired height
- Finger tip control without sacrificing the performance of manual operation
- Versatile "Quick Connector" design provides for easy removal of air hose from air motor allowing compact storage or remote operation
- Uses standard shop air

NLE **791-2320** *NLE* **791-2300**

Specifications

Item No.	Type	Capacity	Closed Height	Extension Screw	Maximum Height	Power Lift	Saddle Diameter	Base Size	Weight
NLE **791-2300**	Air/Hydraulic	12 Ton	10.25"	3"	20"	6.75"	1.75"	7.75" x 5.63"	25.5 lbs.
NLE **791-2320**	Air/Hydraulic	20 Ton	10.38"	3.25"	19.88"	6.25"	2.25"	8.88" x 6.50"	34.7 lbs.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Bottle Jacks & Vehicle Stands

30 TON AIR BOTTLE JACK

Jack features uni-weld cylinder and ram preventing components from coming loose. Manual and air/hydraulic operations.

Specifications

Lift Capacity.....30 Ton
Closed Height ..... 10.9 in.
Raised Height..... 20.6 in.
Adjustable Screw Length..... 3.8 in.
Lift Distance..... 5.9 in.
Weight ..... 61.7 Lbs.

CHT **791-9004**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

50 TON AIR BOTTLE JACK

Jack features uni-weld cylinder and ram preventing components from coming loose. Manual and air/hydraulic operations.

Specifications

Lift Capacity.....50 Ton
Closed Height ..... 12.1 in.
Raised Height..... 19.1 in.
Lift Distance..... 7 in.
Weight ..... 84.9 Lbs.

CHT **791-9005**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BOTTLE JACKS

BK **776-1039**

BK **776-1021**

BK **776-1042**

Features

- Heavy-duty wide base design for increased stability
- Extension screw adjusts to accommodate desired work height
- Overload and bypass valves prevent the jack from being used beyond its rated capacity and prevent over extension of ram

Specifications

Item No.	Capacity	Closed Height	Raised Height	Additional Adj. Screw	Weight
BK **776-1037**	2 Tons	6.22"	12.13"	2.36"	5.06 lbs.
BK **776-1038**	4 Tons	7.09"	13.78"	2.36"	7.04 lbs.
BK **776-1039**	6 Tons	7.75"	15.04"	2.36"	9.68 lbs.
BK **776-1040**	8 Tons	8.07"	15.35"	2.36"	11.88 lbs.
BK **776-1021**	12 Tons	7.48"	13.78"	2.36"	14.3 lbs.
BK **776-1041**	12 Tons	8.46"	15.75"	2.36"	15.84 lbs.
BK **776-1022**	20 Tons	7.25"	11.75"	2.13"	19.85 lbs.
BK **776-1042**	20 Tons	9.6"	16.65"	2.36"	24.2 lbs.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

NLE **791-5050**

NLE **791-5160**

NLE **791-5220**

VEHICLE STANDS

Features

- Sold and to be used in pairs
- Dual-purpose handle serves as a carrying handle & saddle column release
- Ratchet action height adjustment
- Formed steel frame for tough, rugged construction
- Rolled foot base design for added stability

Specifications

Item No.	Capacity	Low Height	High Height	Base Length	Base Width	Weight (lbs.)
NLE **791-5050**	4 Ton	11.75"	17.38"	8.63"	7.50"	9 ea.
NLE **791-5160**	7 Ton	15.50"	24.63"	10.63"	11.88"	16 ea.
NLE **791-5220**	10 Ton	19.75"	30.50"	14.50"	12.75"	40.4 ea.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT JACK STANDS

Jack stands feature durable ratcheting columns for quick and easy height adjustments, formed steel frame, and convenient carrying handle.

Item No.	Capacity (ea.)	Load Dimensions	Closed Height	Raised Height
BK **776-2000**	6 Tons (each)	11.5" x 10.375"	15.75"	24"
BK **776-2001**	3 Tons (each)	7.7" x 6.7"	11.61"	16.73"
BK **776-2007**	2 Tons (each)	7.08" x 6.5"	10.83"	16.54"

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

10-TON HIGH-HEIGHT VEHICLE STANDS

ASME PASE-2014

Features

- Chain prevents loss of height-adjusting pin
- Rugged tubular steel construction adds strength
- Large, heavy-duty saddle adds extra strength
- Sold and to be used in pairs
- Wide profile base adds stability and support

Specifications

Capacity: ..... 10 Ton
Low Height w/Stand Pin: .....28.13"
High Height: .....46.5"
Base Size: .....15.75"
Base Width: .....15.75"
Weight: .....57.8 lbs. ea.

NLE **791-5250** Pair

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MAHLE

CVS-7H CVS-9H CVS-10H

HIGH RISE SUPPORT STANDS

Item No.	Model	Capacity	Min. Start Height	Max. Lift Height
RTI **4858010700**	CVS-7H	14,000 lb.	51.3 in.	72 in.
RTI **4858010800**	CVS-9H	18,000 lb.	48.8 in.	84 in.
RTI **4858010900**	CVS-10H	20,000 lb.	53.4 in.	72.1 in.

CARLYLE TOOLS by NAPA

3-TON PIN JACK STANDS

ASME PASE-2014

Patent-pending jack stands with pin type support column adjusts to 6 different height positions. Features heavy duty flanged base for stability and heavy-duty adjustment pin with posi lock ball that attaches to the base by tether and pin holder. Ultra lightweight.

Specifications
Dimensions:.....7.25 x 7.25 x 10.2" H Each
Closed Height: .....10.2"
Raised Height:.....15.4"
Load Capacity:..... 3 Ton
Weight: ..... 10 lbs.

NLE **791-6455**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PIN TYPE JACK STANDS

Jack stands feature large square base for stability. Pin type support column adjusts to four different height positions, and adjustment pin is tethered to base for added convenience. Sold and to be used in pairs.

ASME PASE-2014

Item No.	Closed Height	Raised Height	Weight (pair)	Capacity
NLE **791-5230**	12.25"	16.13"	35.2 lbs.	5 Tons
NLE **791-5280**	11.88"	19.75"	77 lbs.	22 Tons

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MAHLE

VEHICLE SUPPORT STANDS

- Life-Time Warranty
- Made In USA
- Utilize a manual insert, load retention pin
- Pin includes flanged design to ensure proper locking
- All stands feature a tabbed bottom for superior stability
- Sold in pairs

Item No.	Size
RTI **4858000400**	7.5-Ton
RTI **4858000500**	7.5-Ton, Tall
RTI **4858000600**	10-Ton
RTI **4858000700**	7.5-Ton, Tall
RTI **4858000800**	12-Ton
RTI **4858000900**	12-Ton, Tall
RTI **4858001000**	25-Ton
RTI **4858001100**	25-Ton, Tall

INDEX

Ram Kit & Transmission Jacks

NLE **791-1142**

Working PSI Rating: 8,050 PSI

NLE **791-3575**

PORTABLE RAM KIT

Includes all standard attachments for pushing and spreading operations along with necessary attachments. For completing pulling operations utilizing pull collars, clamps and chains. Features ½ ton spreader ram for work in confined spaces. Kits include force gauge to determine proper force to be used with component setup. 3.23" *NLE* **791-3575** comes with 5 extensions. *NLE* **791-114**2 comes with 4 extenions. Extended ram extension (*NLE* **791-3575**).

Specifications

Item No.	Capacity	Closed Height	Extended Height	Weight
NLE **791-3575**	4 Ton	10.5"	15.25"	42 lbs.
NLE **791-1142**	10 Ton	12.63"	17.75"	70 lbs.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AIR/HYDRAULIC PUMP

Features

The 10,000 PSI Air/Hydraulic Pump is designed to operate on as little as 7.8 CFM @ 90 PSI. This pump allows quick displacement of hydraulic fluid, up to 10,000 PSI, to comparable rams, and other hydraulic components that require 10,000 PSI of fluid pressure. Foot/hand actuated treadle design delivers a metered, controllable flow to and from the intended application.

Specifications

Max. Output Pressure: ..... 10,000 PSI
Air Input Range: ..... 90 to 175 PSI
Usable Oil Capacity: ..... 98 cu. in.
Flow Rate, No Load: ..... 42 cu. in./min.
Flow Rate, With Load: ..... 8.5 cu. in./min.
Air Thread Connection: ..... .25" NPT
Hydraulic Thread Connection: ..... .38" NPT
Valve Function: ..... Advance/Hold/Retract
Length: ..... 10.31"
Width: ..... 5.31"
Height: ..... 7.31"
Net Weight: ..... 19 lbs.

NLE **791-1250**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1-TON LOW-PROFILE TRANSMISSION JACK

Features

- Ideal for handling medium duty truck transmissions
- Wide stance steel frame construction
- Large swivel casters for easy positioning and maneuverability
- Pump handle rotates 360° for all position operations

Specifications

Capacity: ..... 1 Ton.
Raised Height: ..... 44"
Low Height: ..... 10"
Saddle Forward Tilt: ..... 40°
Saddle Backward Tilt: ..... 25°
Saddle Lateral Tilt: ..... 12°
Base Size: ..... 48.25" x 28.25"
Weight: ..... 299 lbs.

NLE **791-7170**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1-1/2-TON TRANSMISSION JACK

Features

- Ideal for heavy-duty truck transmissions
- A perfect fit for truck dealers, maintenance and heavy-duty transmission repair centers
- Pump handle rotates 360° for all position operation
- Large swivel casters for easy positioning and maneuverability

Specifications

Capacity: ..... 1.5 Ton
Lifting Head Size: ..... 15.75" x 11.75"
Overall Length: ..... 43.5"
Overall Width : ..... 26"
Raised Height: ..... 36.63"
Low Height: ..... 8.88"
Saddle Forward Tilt: ..... 10°
Saddle Backward Tilt: ..... 10°
Saddle Lateral Tilt: ..... 10°
Base Size: ..... 43.5" x 25.75"
Weight: ..... 293 lbs.

NLE **791-7180**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1,200 LB. LOW-PROFILE HYDRAULIC TRANSMISSION JACK

Features

- For use on auto, van, and pickup truck transmissions
- Four adjustable load support arms swivel to fit around transmission pan flanges
- Swivel handle for ease of operation
- Release valve is easily accessible for sensitive load lowering
- Four full-swivel ball-bearing casters allow easy maneuvering and positioning
- Wide support base provides stability

Specifications

Capacity:	1,200 lbs.
Low Pickup Height:	5.75"
High Lifting Point:	31.5"
Saddle Forward Tilt:	65°
Saddle Backward Tilt:	18°
Saddle Lateral Tilt:	10° Each Way
Base Size:	36" x 18.75"
Maximum Lifting Head Size:	15.5" x 15.5"
Weight:	100 lbs.

NLE **791-7160**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2-TON TRANSMISSION JACK

Features

- For use on automotive and light duty pickup truck transmissions
- Maximum mobility with wider range of height adjustment and saddle tilt make this the perfect choice for high volume shops
- Four adjustable load support arms fit around transmission pan flanges
- Foot-operated pump and release leaves operator's hands free
- Wide base provides increased stability
- Four full-swivel ball bearing casters make maneuvering easy
- T-handle for easier positioning

Specifications

Capacity:	1,000 lbs.
Low Height:	35.5"
Raised Height:	74"
Saddle Forward Tilt :	37°
Saddle Backward Tilt:	26°
Saddle Lateral Tilt:	12° L & R
Base:	30.25" square
Shipping Weight:	143 lbs.

NLE **791-7140**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2-TON TWO-STAGE AIR AND HYDRAULIC TRANSMISSION JACK

Features

- For use on automotive and light duty pickup truck transmissions
- Air provides fast and easy lifting in the first stage
- Hydraulics provide smooth, precise lifting in the second stage
- Four ratcheting brackets adjust transmission pan mounting flange
- Nylon tie-down strap helps anchor transmission
- Wide-spread swiveling casters provide sure, smooth maneuverability
- Head angle adjustments are made easy by manually turning large grip knobs
- Requires 90 PSI

Specifications

Capacity:	1,000 lbs.
Required Air Pressure:	100 PSI
Low Height:	35.5"
Raised Height:	73.5"
Saddle Forward Tilt :	37°
Saddle Backward Tilt:	26°
Saddle Lateral Tilt:	12° L & R
Base:	30.25" square
Shipping Weight:	145 lbs.

NLE **791-7200**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

1/2-TON TRANSMISSION JACK

Ideal for the shop that does occasional transmission work on automotive and light duty trucks. Foot pump for fast easy lifting. Release knob for controlled lowering. Maximum lifting head adjustment up to 18.5" x 18.5".

Specifications

Capacity:	1,000 lbs.
Low Height:	43.625"
High Height:	71"
Saddle Forward Tilt :	23°
Saddle Backward Tilt:	16°
Saddle Lateral Tilt:	7° L & R
Base:	36" x 42"
Weight:	143 lbs.

NLE **791-7100**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Transmission Jack, Under Hoist Support Stands & Engine Support

1 TON TELESCOPIC UNDER HOIST TRANSMISSION JACK

Manual And Air/Hydraulic Operations

This jack is built to handle heavy duty truck transmissions and automotive transmissions with transfer case.

Specifications

Lift Capacity.....1 Ton
Closed Height ..... 36.8 in.
Raised Height..... 76 in.
Lift Distance..... 39.2 in.
Weight ..... 212.7 Lbs.

CHT **791-9006**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1,500 LB. UNDER HOIST SUPPORT STAND

For Supporting Undercar Components

Features 12" diameter base for stability and slender design for lightweight, easy handling in close quarters. Bearing mounted spin handle and self-locking Acme threaded screw provide easy turning and height adjustment under load. Contoured saddle helps support most component configurations.

Item No.	Dimensions	Lifting Range	Capacity
NLE **791-2002**	Saddle 1.63" x 5.5"	53" - 79"	1,500 Lbs.

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE FUEL TANK HANDLING ADAPTER

Carlyle Tools fuel tank handling adapter allows for the easy removal, installation and transporting of an empty automotive gas tank.

- (2) 8 ft. tie-down straps included to secure the tank to the adapter
- Foam supports adjust to fit up to a 40 gallon gas tank configuration
- Designed for use on both single and dual stage under hoist transmission jacks

Dimensions: 3.5" H x 15.5" L x 23.4" W

NLE **791-7136**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

2-TON CAPACITY UNDER HOIST SUPPORT STAND

To Assist Supporting A Vehicle

Stand features 24" triangular base for stability. Bearing mounted spin handle and self-locking Acme threaded screw provide 8" of height adjustment. Contoured saddle helps support and stabilize a vehicle.

Item No.	Saddle Dimensions	Lifting Range	Capacity
NLE **791-2006**	3.25" x 3.25"	68" - 76"	2 Tons

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

AUTOMOTIVE TRANSMISSION JACK, ATJ-1000H

- 1,000 Lb. high rise jack
- 2-Stage design: Air & hydraulic operated
- Easy maneuverability
- Tilt adjustment feature

RTI **4858002500**

700 LB. TRANSVERSE ENGINE SUPPORT

The transverse engine support features an adjustable arm for stable 3-point support of most transverse mount FWD engines.

Features

- Two adjustable "J" hook screws
- Two .125" x 38" braided steel cables
- Expandable width from 34.5" to 61"

NLE **791-7125**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

1.5-TON QUICK LIFT FOLDABLE CRANE

Rapid rise hydraulic jack raises boom six times faster without load than standard cranes while 4.25" low-profile base provides easy access under vehicles with low ground clearance.

Features

- Legs and bottom can be folded to save space when not in use
- Chain and swivel hook assembly allow for easy positioning of engine
- Anchorage system eliminates side to side sway of load
- Boom length: 48"
- Crane weight: 210 lbs

Item No.	Boom Position	Capacity
NLE **791-6021**	1	750 lbs.
	2	1,500 lbs.
	3	2,250 lbs.
	4	3,000 lbs.

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1,250 LB. CAPACITY ENGINE STAND

Stand's U-shaped design provides added stability while adjustable locking mechanism allows 360° rotation of engine. Features adjustable mounting arms, sturdy 4-wheel design, heavy-duty steel swivel casters and convenient tool storage caddy built into the frame.

NLE **791-2004**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

1,000 LB. GEARED ENGINE STAND

Features

- A gear ratio of 63:1 allows for easy 360° rotation of engine
- Heavy duty tubular steel construction for extra strength
- Folds for easy storage

Specifications

Capacity: ..... 1,000 lbs.
Length: ..... 34"
Width at Front: ..... 20.5"
Width at Rear: ..... 36.5"
Height (Assembled): ..... 36"
Height (in Folded Position): ..... 21"
Weight: ..... 96 lbs.

NLE **791-5070**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

ENGINE CRANE

This 2-ton hydraulic engine hoist is specially designed to raise, lower, and transport engines, differentials, transmissions, and other heavy loads with minimal effort. Fully-adjustable boom slides in or out for the correct lifting weight. 6 Industrial steel casters allow easy movement. Includes chain and hook. Some assembly required. Meets ASME PASE 2014 safety standard. Folds in half for easy storage. Heavy-gauge welded steel construction.

Specifications

Lift Capacity: ..... 4,000 lbs
Ram Capacity: ..... 5 Ton
Boom Length: ..... 37.25"
Crane Weight: ..... 202 lbs.

BK **776-1236**

EVERCRAFT

EVERCRAFT ENGINE STAND

Convenient 360° rolling head provides various engine positions for fast operator assembly and tear down. Tubular steel stand features swivel casters for easy maneuverability and added stability. Engine weight capacity: 750 lbs.

BK **776-5060**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MAHLE

ENGINE STANDS

Fully adjustable 360° rotation Locking wheels

Item No.	Description
RTI **4858008300**	AES-1000, Automotive 1,000 lb
RTI **4858008400**	CES-2000, Commercial 2,000 lb

INDEX

MAHLE

CLS-10

INTEGRATED LIFT AND SUPPORT STANDS

- No need for additional support stands
- 100% air operated
- Removable handle along with two wheels allow ease in spotting and portability

Item No.	Description
RTI **4858001700**	CLS-10, 10 ton
RTI **4858001800**	CLS-15, 15 Ton

MAHLE

10 TON COMMERCIAL VEHICLE LIFT, CAL-10

- 20,000 pound lifting capacity
- Large pneumatic wheels enable easy manueverability
- Two-stage air valve allows raising and lowering the jack

RTI **4858012000**

MAHLE

COMMERCIAL WHEEL LIFT SYSTEM

With three capacity options, lift one end of a wide array of vehicles including fire or refuse trucks, heavy recreational vehicles or motor coaches, without the need for additional support stands. A wide, spring loaded base provides a stable platform for secure lifting.

- Built-in vehicle support stand feature allows complete open access under the vehicle
- Small Wheel adapters
- Dual trigger control valve allows synchronized raising and lowering of vehicle
- US Patent #D357,106 & 5,484,134

Item No.	*RTI* **4858008900**	*RTI* **4858009000**	*RTI* **4858009100**
Capacity Per Set (2)	CWL-10	CWL-15	CWL-20
Start Height/Lift Height	Floor level / 24" (61 cm)	Floor level / 24" (61 cm)	Floor level / 30" (76 cm)
Power	Shop air	Shop air	Shop air
Required Air Pressure	160 psi / 11 bar	160 psi / 11 bar	160 psi / 11 bar
Stroke	24" (61 cm)	24" (61 cm)	30" (76 cm)
Min. Wheel Dia. adapters/no adapt.	16" (41 cm) / 19.5" (50 cm)	16" (41 cm) / 19.5" (50 cm)	14" (36 cm) / 21" (53 cm)
Max. Wheel Dia.	24.5" (62 cm)	24.5" (62 cm)	24.5" (62 cm)
Dimensions (H x W x D)	53.3" x 41.6" x 44.3" 135 cm x 106 cm x 112 cm	53.3" x 41.6" x 44.3" 135 cm x 106 cm x 112 cm	53.3" x 41.6" x 44.3" 160 cm x 114 cm x 112 cm
Shipping Weight	1,000 lb (454 kg)	1,000 lb (454 kg)	1,965 lb (891 kg)

EVERCRAFT

ENGINE CRANE LOAD LEVELER

This universal engine leveler makes engine handling and positioning easier. Great for use with engine hoists or engine cranes. The swivel handle allows for easy adjusting. 4-Point mounting system provides maximum control. Worm drive shaft rotates with a built-in swivel handle. 3-Adjustable chain assembly holes accommodate different engine sizes. Use with shop cranes or hoists. Meets ASME PASE 2014 safety standards. 12.5" chain length.

Specifications

Lift Capacity:..... 1,500 lbs.
Safety Standard Compliances:..... ASME PASE 2014
Weight: ..... 11.3 lbs.

BK **776-1234**

CARLYLE TOOLS by NAPA

3/4-TON LOAD LEVELER

Designed to level load when transporting engines or transmissions by way of crane, load leveler features closed link for ease of use with standard hoist hook and acme thread for strength and ease of adjustment. Unit capacity: 1,500 lbs.

NLE **791-6006**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CAR DOLLIES

Features

- Four heavy-duty swivel casters (two locking) for easy mobility of vehicles
- Fully welded all-steel frame for rugged dependability
- Sold in pairs (two dollies)

Specifications

Capacity*: .....1,250 lbs. ea.
Base Size: .....17.5" x 14.5"
Height: ..... 7.25"
Weight: .....49 lbs. (1 pair)

NLE **791-5260**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HYDRAULIC POSITIONING JACK RACK

Steel caddy holds four *NLE* **791-5222**. Jacks sold separately.

NLE **791-5223**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1500 LB. HYDRAULIC POSITIONING JACK

Features hydraulic foot pedal activation and bearing-mounted aluminum arm rollers. Jack can easily handle 13" to 24" wheels with tires mounted. Sold individually.

Item No.	Capacity	Arm Length	Dimensions	Arm Spread
NLE **791-5222**	1,500 lbs.	18.50" fits 13" W Tire	26.25" x 24.75" x 13"	15.50" to 27.25" Center to Center

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1,500 LB. CAPACITY WHEEL DOLLY

Hydraulically activated lift arms handle wheel assemblies up to 52" diameter. Frame with tilt feature aligns lift arms with spindle angle, and three ball bearing mounted caster wheels provide stability and easy maneuverability. Bearing-mounted lift arms easily rotate vehicle rim for bolt pattern alignment. Lift Arm Length: 26". Lift arm spread min/max 21-25".

Item No.	Dimensions	Lifting Range	Capacity
NLE **791-6005**	31" L x 43" W x 35" H	0" – 9.25"	1,500 lbs.

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

550 LB. WHEEL HANDLER

Wheel handler allows for safe, single user handling of wheels and tires. Comes with an adjustable handle. Lift arms adjust to fit different wheel diameters.

Specifications

Base Size: ..... 27.6 in.
Height: .....48 to 52 in.
Weight Capacity: ..... 550 Lbs.

CHT **791-9002**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

1.5-TON SCISSOR JACK

Features

- All steel frame construction
- Wide base for load stability
- Lightweight for easy transport

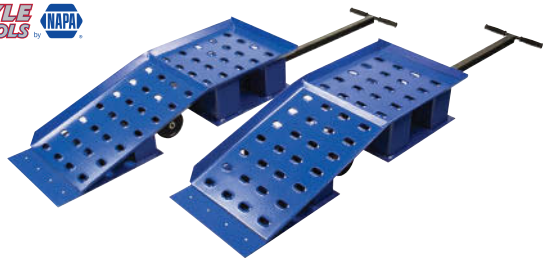
Specifications

Capacity ..... 1.5 Tons
Lifting Range ..... 4.13" – 15.16"

BK **776-1002**

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

20 TON TRUCK RAMPS



Heavy duty ramps feature telescopic T-handles that store out of the way and extend/lift to expose wheels for maneuverability.

- 50.5 in. x 18.4 in.

CHT **791-9003**

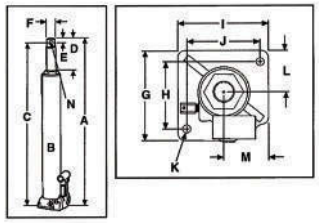
WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2-Post Lifts

CARLYLE TOOLS by NAPA

4- & 8-TON HYDRAULIC POWER UNITS

- Preset overload protection
- Both units feature long stroke, ram pin hole and base mounting holes
- Metering release provides precise, controlled lowering of load



ASME PASE-2014

NLE **520-6008**

Specifications

Item No.	Capacity	Stroke	Max. Ht.	Weight	A	B	C	D	E
NLE **520-6004**	4 Ton	15.38"	34.75"	18.5 lbs.	19.88"	2.38" dia.	19.38"	1.75"	.81"
NLE **520-6008**	8 Ton	19"	42.75"	31.5 lbs.	24.13"	2.19" dia.	23.63"	1.63"	.81"

Item No.	F	G	H	I	J	K	L	M	N
NLE **520-6004**	.94" dia.	4.50"	2.06"	5.13"	3.69"	1.03" dia.	11.06"	1.56"	.50" dia.
NLE **520-6008**	1.28" dia.	5"	3.50"	4.75"	3.75"	1.41" dia.	2"	2.38"	.69" dia.

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CL Challenger Lifts

10K PROFESSIONAL VERSYMMETRIC® LIFT

- Versatile design to safely lift vehicles symmetrically or asymmetrically within the same service bay
- 3-stage front and rear arms
- Available with (OPTIONAL):
  Dual Pendant Power Controls (DPC)
  Quick Cycle Technology
  2 foot or 3 foot extensions
  Drive-on Express Service Pad (9K capacity)
- Available in red (-04) or blue (-06)

ALI CERTIFIED

Model Shown:
CL **CL10V304**

	CL **CL10V304 (Red)** *CL* **CL10V306 (Blue)**	*CL* **CL10XP9R (Red)** *CL* **CL10XP9B (Blue)**	*CL* **CL10V3DPC04 (Red)** *CL* **CL10V3DPC06 (Blue)**	*CL* **CL10V3QC04 (Red)** *CL* **CL10V3QC06 (Blue)**
Mfr. Number	CL10V3	CL10-XP9	CL10V3-DPC	CL10V3
Lift Capacity (Lbs.)	10,000	9,000	10,000	10,000
Rise	74 1/8"	74 1/4"	74 1/8"	74 1/8"
Height Overall	11' 8"	11' 8"	11' 8"	11' 8"
Adj. Width Overall	11' 6 1/2" - 11' 11"	11' 6 1/2" - 11' 11"	11' 6 1/2" - 11' 11"	11' 6 1/2" - 11' 11"
Drive Thru Clearance	100 " - 104 1/2"	79 1/2"	100 " - 104 1/2"	100" - 104 1/2"
Inside Columns	110" - 114 1/2"	110" - 114 1/2"	110" - 114 1/2"	110" - 114 1/2"
Rise Time (Sec.)	38	38	38	27
Motor	2 HP	2 HP	2/ HP	3 HP
Ceiling height Req.	12'	12'	12'	12'
Power Req.:	208V/230V 1PH	208V/230V 1PH	208V/230V 1PH	208V/230V 1PH

CL Challenger Lifts

12K PROFESSIONAL HEAVY-DUTY LIFT

- 3-stage front and rear arms
- Available with (OPTIONAL):
  Quick Cycle Technology
  1 foot or 2 foot extensions
  Low Ceiling (LC) model fits 12 foot ceiling height
- Available in red (-04) or blue (-06)
- Stack adapter kit included
- Lift small sedans to heavy-duty trucks in one bay

ALI CERTIFIED

Models Shown:
CL **CL1204**
CL **CL12LC06**

	CL **CL12LC04 (Red),** *CL* **CL12LC06 (Blue)**	*CL* **CL1204 (Red),** *CL* **CL1206 (Blue)**	*CL* **CL12104 (Red),** *CL* **CL12106 (Blue)**	*CL* **CL12204 (Red),** *CL* **CL12206 (Blue)**
Mfr. Number	CL12-LC	CL12	CL12-1	CL12-2
Rise	80 1/4"	84.75"		
Height Overall	11' 11"	13' 8"/13' 2"	14' 8"/14' 2"	15' 8"/15' 2"
Width Overall	142"			
Drive Thru Clearance	103.5"			
Inside Columns	114.5"			
Rise Time (Sec)	60	63		
Ceiling Height Req.	12'	13' 3" or 13' 9"	14' 3" or 14' 9"	15' 3" or 15' 9"
Power Req.:	208V/230V (Single Phase Std.)			

CL Challenger Lifts

16K/20K PROFESSIONAL HEAVY-DUTY LIFTS

- Installation is available in 1 of 3 height & width variations, making this one of our most versatile lifts.
- 16,000 lb. model available with true 3-stage arms & low-profile adapter to service high cube vans
- Available in red (-04) or blue (-06)
- Stack adapter kit included

Models Shown:
CL **160003S04**

	CL **1603s04 (Red)** *CL* **1603s06 (Blue)**			*CL* **1623s04 (Red)** *CL* **1623s06 (Blue)**			*CL* **2003s04 (Red)** *CL* **2003s04 (Blue)**			*CL* **2023s04 (Red)** *CL* **2023s066 (Blue)**		
Mfr. Number	CL16-0-3S			CL16-2-3S			CL20-0			CL20-2		
Lift Capacity (Lbs.)	16,000						20,000					
Rise	81.5"						84.5625"					
Arm Reach (Max.)	75"						62"					
Overall Height Options	162"	168"	174"	186"	192"	198"	162"	168"	174"	186"	192"	198"
Overall Width Options	166.75"											
	160.75"											
	154.75"											
Ceiling height Req.	13.67'	14.167'	14.67'	15.67'	16.167'	16.67'	13.67'	14.167'	14.67'	15.67'	16.167'	16.67'
Power Req.:	208V/230V 1PH						208V/230V 1PH					

10K VERSYMMETRIC® LIFT

- Versatile design lifts vehicles symmetrically or asymmetrically
- Standard model fits 12 foot ceiling height
- 3-stage front/2-stage rear arms
- Optional 2 foot extensions available
- Available in red (-04) or blue (-06)

Model Shown:
CL **VLE1004**

Standard with offset front arms

	CL **VLE1004 (Red)** *CL* **VLE1006 (Blue)**	*CL* **VLE10EH204 (Red)** *CL* **VLE10EH206 (Blue)**
Mfr. Number	VLE10	VLE10EH2
Rise	74 3/4"	
Height Overall	11' 11"	13' 11"
Adj. Width Overall	131.75"	
Drive Thru Clearance	98.375"	
Inside Columns	110.25"	
Rise Time	43 s	
Ceiling height Req.	12'	14'
Power Req.:	208V/230V 1PH	

12K HEAVY-DUTY LIFT

- Heavy-duty 2-stage arms enable a wide range of symmetric lifting
- 13' 10" or 14' 7" adjustable column height
- 2' extensions available (*CL* LE12EH204 / *CL* LE10EH206)
- Stack adapters included

	CL **LE1204 (Red)**, *CL* **LE1206 (Blue)**
Mfr. Number	LE12
Rise	77.75"
Adj. Height Overall	13' 10"/14' 7"
Width Overall	139.75"
Drive Thru Clearance	103"
Floor To Switch	159.5"/168.5"
Inside Columns	115"
Rise Time (Sec)	61
Ceiling height Req.	13' 11"/14' 8"
Power Req.:	208v/230v (Single Phase Std.)

15K HEAVY-DUTY LIFT

- Heavy-duty 2-stage arms enable a wide range of symmetric lifting
- 14' 6" or 16' 6" adjustable column height
- Heavy-duty screw pads
- Stack adapters included

	CL **E1504 (Red)**, *CL* **E1506 (Blue)**
Mfr. Number	E15
Rise Height	77.75"
Adj. Height Overall	14' 6"/16' 6"
Width Overall	147.125"
Drive Thru Clearance	109.375"
Floor To Switch	166"/190"
Inside Columns	122.25"
Rise Time (Sec)	75 s
Ceiling Height Req.	14' 7" / 16' 7"
Power Req.:	208v/230v (Single Phase Std.)

2-Post Lifts

CL Challenger Lifts

9K LOW-CEILING LIFT

- 10' 7/8" overall column height ideal for servicing vehicles in a low-ceiling bay
- Low profile drive-over floor plate
- 3-stage front and rear arms provide excellent reach and retraction

	CL **CLFP904 (Red), *CL* CLFP906 (Blue)**
Mfr. Number	CLFP9
Height Overall	10' 0.875"
Width Overall	137.5"
Drive Thru Clearance	98.187"
Inside Columns	109"
Ceiling height Req.	121.875"
Power Req.:	208V/230V (Single Phase Std.)

CL Challenger Lifts

10K VERSATILE LIFT

- Install symmetrically or asymmetrically
- 3-stage front/2-stage rear arms
- Adjustable heights and widths
- Mirrored "S" shaped columns
- 2' Extension available (*CL* SA10eh204 or *CL* SA10eh206)

	CL **SA1004 (Red), *CL* SA1006 (Blue)**	
Mfr. Number	SA10 (Symmetric)	SA10 (Asymmetric)
Rise	74.5"	
Adj. Height Overall	11' 4.5"/11' 10.5"	
Adj. Width Overall	129"/135"	131.5"/137.5"
Drive Thru Clearance	92.75"/98.75"	88.5"/94.5"
Inside Columns	106.75"/112.75"	101.5"/107.5"
Ceiling height Req.	12'	
Power Req.:	208v/230v (Single Phase Std.)	

quality lifts

Model Shown:
CL **EQ10**

10K ECONOMY LIFT

- 3-Stage front and 2-Stage rear arms"
- Solid V-shaped overhead assembly
- Drop-in rubber footpads
- Single-point mechanical lock release
- Fits 12 foot ceiling height
- Available in black only

	CL **EQ10 (Black only)**
Mfr. Number	EQ10
Lift Capacity (Lbs.)	10,000
Rise	72.25"
Height Overall	143"
Width Overall	131 3/4"
Drive Thru Clearance	98 3/8"
Floor To Switch	137"
Inside Columns	110.25"
Rise Time (Sec)	48
Motor	2 HP
Ceiling height Req.	12'
Power Req.:	208V/230V 1PH

quality lifts

Model Shown:
CL **EQ12**

12K ECONOMY LIFT

- Heavy-duty 2-stage front and rear arms
- Manufactured to the highest standards with budget in mind
- Solid V-shaped overhead assembly
- Drop-in rubber footpads
- Single-point mechanical lock release
- Available in black only
- Stack adapter kit included

	CL **EQ12 (Black only)**
Mfr. Number	EQ12
Lift Capacity (Lbs.)	12,000
Rise	76.25"
Height Overall	14'-7"
Width Overall	139.75"
Drive Thru Clearance	103 "
Floor To Switch	14'-0.5"
Inside Columns	115"
Rise Time (Sec)	62
Motor	2 HP
Ceiling height Req.	14' 6"
Power Req.:	208V/230V 1PH

Lift shown with three-position flip-up FA adapters with built-in height adapters on conventional 2-stage arms

Model shown:
RTY **SPOA10N700BL**
Shown with optional accessories and additional equipment

Model shown:
RTY **SPO10N700RD**
Extended height lift Shown with optional accessories and additional equipment.

Lift shown with conventional three-position flip-up adapters with built-in height adapters on 2-stage arms.

10,000 LBS. CAPACITY 2-POST ASYMMETRIC LIFT

The Industry Standard

- True asymmetrical rotated column design
- Multiple arm and adapter configurations - see table below
- Made in Madison, IN
- ALI Gold Certified

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

10,000 LBS. CAPACITY 2-POST SYMMETRIC VEHICLE SERVICE LIFTS

Wider Drive Thru For Trucks And Vans

This accommodates larger vehicles and improves vehicle access. This allows maximum door opening on trucks and vans improving access to vehicle interior. Trust the industry standard symmetrical 10,000 lb. lift. Why look anywhere else?

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

	2 Stage arms with flip-up adapters	TRIO arms with Flip -up adapters	TRIO arms with Round(RA) adapters	TRIO arms with Truck(TA) adapters
Model	*RTY* **SPOA10N700BL** *RTY* **SPOA10N700RD**	*RTY* **SPOA10N800BL** *RTY* **SPOA10N800RD**	*RTY* **SPOA10N8G0BL** *RTY* **SPOA10N8G0RD**	*RTY* **SPOA10N8T0BL** *RTY* **SPOA10N8T0RD**
Capacity	10,000 lbs.			
Rise	72¾"		72¼"	
Height Overall	11' 8½"			
Drive-Thru Clearance	95¼"	102 ½"		
Front Arm Min. / Max.	24"-40¾"	31"-54"		
Rear Arm Min. / Max.	40¼"-61"	31"-54"		
Motor / Voltage 1Ø* **	2 HP / 208v-230v			
Ceiling Height Required:	12'			
Min. Bay Size	12' x 24'			

Subhead

Model shown:
FWD **I10N400MBL**

Model shown:
FWD **I12N300BL**

10,000 LBS. AND 12,000 CAPACITY 2-POST HEAVY DUTY LIFT

- Low profile adapters
- Adapter bracket included
- ALI/ETL Certified

Item No.	Description
FWD **I10N400MBL**	Spot-Rite™ 3-Stage Arms and Single point lock release. Includes 1.75", 3.5" and 5" adapter extensions (4 each)
FWD **I10N400MRD**	Spot-Rite™ 3-Stage arms and Single point lock release. Includes 1.75", 3.5" and 5" adapter extensions (4 each)
FWD **F10N400MBL**	3-Stage Front and 2-Stage Rear Arms. Spring operated arm restraints. Includes 3.5" and 5" adapter extensions
FWD **F10N400MRD**	3-Stage Front and 2-Stage Rear Arms. Spring operated arm restraints. Includes 3.5" and 5" adapter extensions

Item No.	Description
FWD **F12N300BL**	2-Stage Front and Rear Arms Includes Frame Engaging Truck adapters and 3.5" & 5" Height extensions
FWD **F12N300RD**	2-Stage Front and Rear Arms Includes Frame Engaging Truck adapters and 3.5" & 5" Height extensions
FWD **I12N300BL**	3-Stage front and rear arms
FWD **I12N300RD**	3-Stage front and rear arms

Two-Post Lifts	*FWD* **I10N400MBL** *FWD* **I10N400MRD** **10,000 lbs. I10 Heavy Duty Lift**	*FWD* **F10N400MBL** *FWD* **F10N400MRD** **10,000 lbs. F10 Heavy Duty Lift**	*FWD* **F12N300BL** *FWD* **F12N300RD** **12,000 lbs. F12 Heavy Duty Lift**	*FWD* **I12N300BL** *FWD* **I12N300RD** **12,000 lbs. I12 Heavy Duty Lift**
Capacity	10,000 lbs.		12,000 lbs.	
Rise	76"		72 1/2"	75 3/4"
Overall Height	143 3/8"		166"	166"
Height to Shutt-Off	137 3/4"		160"	
Minimum Ceiling Height	144"		168"	
Minimum Adapter Height	3 5/8"		4 3/4"	
Overall Floor Width	137" or optional 131"		140"	
Inside Column Width	115" or optional 109"		114 7/8"	
Drive Through	105" or optional 99"		102 3/4"	
Front Arm Reach	23" - 44 1/2"		35 1/16" - 54 1/32"	27 3/5" - 59 1/20"
Rear Arm Reach	38 1/2" - 58"		35 1/16" - 54 1/32"	27 3/5" - 59 1/20"
Adapter Heights	1 3/4", 3 1/2", 5"	3 1/2", 5"	3 1/2", 5"	1 3/4", 3 1/2", 5"
Voltage/Amps	208/230v, 20 amps			
Motor/Phase*	2 HP/1Ø			

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

***BL = Blue / RD = Red**

Specifications subject to change without notice or liability.

Model shown:
FWD **DP15N000MBL**

15,000 AND 18,000 LB. CAPACITY 2-POST HEAVY DUTY LIFT

- 2-stage front and rear arms
- Single point lock release
- Spring operated arm restraints
- Low profile rubber-padded swivel adapters
- Includes 5" and 10" adapter extensions
- Adapter bracket included
- ALI/ETL Certified

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Two-Post Lifts	*FWD* **DP15N000MBL** *FWD* **DP15N00MRD** **15,000 lbs. DP15 Heavy Duty Lift**	*FWD* **DP18N000MBL** *FWD* **DP18N000MRD** **18,000 lbs. DP18 Heavy Duty Lift**
Capacity	15,000 lbs.	18,000 lbs.
Rise	88 1/2"	
Overall Height	175" / 199"	
Height to Shutt-Off	166" / 190"	
Minimum Ceiling Height	176" / 200"	
Minimum Adapter Height	5"	
Overall Floor Width	12' - 8 11/32"	12' - 8 3/8"
Inside Column Width	119 19/32"	119 5/8"
Drive Through	106"	
Front Arm Reach	38"- 61"	
Rear Arm Reach	38"- 61"	
Adapter Heights	5", 10"	
Voltage/Amps	208/230v, 20 amps	
Motor/Phase*	2 HP/1Ø	

***BL = Blue / RD = Red**

Model shown:
RTY **SPO12N7T5RD**
Shown with optional accessories and additional equipment.

Lift shown with three-stage Front arms and polymer truck adapters primarily used on framed vehicles.

Adjustable adapters thread up and come with stackable inserts and storage rack.

12,000 LBS. CAPACITY 2-POST MEDIUM-DUTY SYMMETRIC VEHICLE SERVICE LIFTS

Three Stage Arms For Greater Reach

The Rotary SPO12 is the choice for medium-duty lifting and quality in 12,000 lb. lifts.

Features

- Front & rear three-stage arms are standard
- Adjustable truck adapters with stackable inserts for added reach

Two-Post Symmetric Lifts	*RTY* **SPO12N7T5BL / *RTY* SPO12N7T5RD** **Three-Stage Arms Truck Adapters (TA)**
Capacity	12,000 lbs.
Rise*	72 3/4" - 75 3/4"
Overall Height**	13' - 8"
Required Ceiling Height	14'
Overall Width	11' - 5 5/8"
Drive-thru Width	8' - 6 3/8"
Inside Columns	114 7/8"
Front Arm Min/Max	27 1/2" - 59"
Rear Arm Min/Max	27 1/2" - 59"
Min Adapter Height	4 3/4"
Motor/Voltage	
Time of Full Rise / Descent	60 secs. / 40 secs.
Min Bay Size	12' x 26'

***BL = Blue / RD = Red**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Specifications subject to change without notice or liability.

***Rise measures lowest or highest position of the supplied adapters from floor to full cylinder stroke**

**** Low ceiling models available. Consult factory for details. BL= Blue / RD=Red**

10K & 12K 2-POST LIFT ACCESSORIES

Wide rubber-style footpad assembly.
CL **B2280PR**

Electric Vehicle Footpad (set of 4).
CL **TFPK**

Replacement rubber insert for square footpads.
CL **A1104-H**

Stack adapter kit for 2-post lifts (up to 12,000 lb.).
CL **10315**

Set of two 6" stack adapters.
CL **10313**

Replacement rubber insert for round footpads.
CL **B2208**

Tire Tool Manager
Workstation includes filter & regulator.
CL **B99700**

Air/Electric Workstation
Workstation includes filter, regulator, & lubricator.
CL **B10264**

Column Extensions
Available for VLE10, SA10, & LE12 2-Post models.

7K TURF RAIL ATTACHMENT

- Fits most surface-mounted 2-post lifts including Challenger's **CL10V3**, **LE10**, **V-LE10**, **CLFP9**, **CL12**, **E12**, **SA10, EQ10, & EQ12** (symmetric)
- Provides full under-vehicle access & the flexibility to service cars, light trucks, golf carts, four wheelers, motorcycles, tractors, etc., up to 7,000 lbs.

	CL **TR07**
Mfr. Number	TR07
Height - Drive over tray	3.25"
Max Tire Diameter	50"
Max. Track Width (outside of tire)	89"
Wheel Base	Min. 26" Max. 116"
Min. Clear Height Under Tray	66.5"

14K & 15K 4-POST LIFT ACCESSORIES

75K Rolling Jack
CL **RJ7**

Internal Airline Kit
CL **40230E**
CL **40230X**

Optional Bolt-on Alignment Kit
CL **40200-3Dss**

Oil Drain Pan
CL **10267**

7K & 9K HOME STORAGE LIFT ACCESSORIES

3.5K/4.5K Capacity Rolling Jacks
CL **QRJ03H (3.5)**
CL **QRJ04H (4.5)**

Caster Set
Set of four
CL **Q4P09CS**

Aluminum Storage Platform
Set of three - 9k only
CL **Q4P09SP**

4.5K Capacity Jack Tray
CL **Q4P09JT**

Plastic Drip Trays
Set of three
CL **Q4P09DTP**

Air/Hydraulic Pump Kit
CL **QRJ04-PK**

CL Challenger Lifts

15K PROFESSIONAL VERSATILE LIFT

- Open or closed front design with new wider 22" runways for drive-on confidence
- AR models include rolling jacks, internal airline system & stainless steel turn plates
- Available in red (-04), blue (-06), or black (-02)

Model Shown:
CL **CL4115-04**

	CL **4115EFO04** *CL* **4115EFO06**	*CL* **4115XFO04** *CL* **4115XFO06**	*CL* **4115EFX04** *CL* **4115EFX06**	*CL* **4115XFX04** *CL* **4115XFX06**	*CL* **AR4115EAO04** *CL* **AR4115EAO06**	*CL* **AR4115XAO04** *CL* **AR4115XAO06**	*CL* **AR4115EAX04** *CL* **AR4115EAX06**	*CL* **AR4115XFX04** *CL* **AR4115XAX06**
Mfr. Number	4115EFO	4115XFO	4115EFX	4115XFX	AR4115EA0	AR4115XA0	AR4115EAX	AR4115XAX
Max. Wheelbase	182.5"	210"	182.5"	210"	182.5"	210"	182.5"	210"
Length Overall	250.75"	277.75"	246"	273.75"	250.75"	277.75"	246"	273.75"
Width Overall	142"							
Inside Columns	120" Front/ 125.5" Rear		125.5"		120" Front/ 125.5" Rear		125.5"	
Between Col.	195"	222.5"	196"	223.5"	195"	222.5"	196"	223.5"
Height of Col.	99.5" front / 98" rear		98"		99.5" front / 98" rear		98"	
Air Supply Req.	90-120 psi							
Motor/Voltage	2HP, 208V-230V, 60Hz, 1Ph							
Min. Bay Size	12' x 24'	12' x 26'	12' x 24'	12' x 26'	12' x 24'	12' x 26'	12' x 24'	12' x 26'

14K PROFESSIONAL CLOSED-FRONT LIFT

- Closed front design with either 182.5" or 210" (extended) wheelbase
- 20" wide runways
- Flat deck general service
- 78" rise height
- Bolt on Alignment Kit Available - 40200-3DSS
- Available in red (-04), blue (-06), or black (-02)

	CL **4P14EFX04 (Red)** *CL* **4P14EFX06 (Blue)**	*CL* **4P14XFX04 (Red)** *CL* **4P14XFX06 (Blue)**
Mfr. Number	4P14EFX	4P14XFX
Max. Wheelbase	182.5"	210"
Rise Height	78"	
Length Overall	245.75"	273.25"
Width Overall	130.75"	
Inside Columns	116"	
Between Columns	196"	223.5"
Height of Columns	90.5"	
Width of Runways	20"	20"
Height of Runways	7.25"	
Width Between Runways	40" / 43"	
Air Supply Required	90-120 psi	
Motor / Voltage	2HP, 208V-230V, 60Hz, 1Ph	
Rise Time	75 s	
Min. Recomm. Bay Size	12' x 24'	12' x 26'

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Model Shown: *FWD* **CRA14N100**
14,000 lbs. capacity closed front
Available in blue and red.

14,000 LBS. CAPACITY 4-POST ALIGNMENT SERVICE DRIVE-ON LIFTS

Features

- Durable powder coat paint
- 18 lock positions allow working at any height
- Single point lift operation
- Bolt on rear wheel slip plates have over 4 times more ball bearings for better alignments
- Internal airline standard
- Two (2) 7,000 lbs. Capacity Rolling Jacks
- Industry leading heavy duty high-performance cable and sheave system
- 41" louvered ramps for improved traction
- Wheel chocks automatically engage when lift is raised
- Polymer rollers protect floors
- Carbon Steel Front Radius Plates
- Full width slip plate allows for four wheel alignments up to 157"
- ALI/ETL Certified

OPTIONAL ALIGNMENT LIFT ACCESSORIES:

- Drive-through ramps
- LED runway light kit
- 2' extended runway kit

Specifications:	*FWD* **CRA14N101YBL & RD/** *FWD* **CRA14N202YBL* & RD**
Lift Design	Closed Front
Max. Wheelbase	182.5" (4,635mm) / 206" (5,232mm)*
Max. Two Wheel Alignment	166 3/4" (4,235mm) 190 3/4" (4,845mm)*
Max. Four Wheel Alignment	157" (3,987.8mm)
Min. Four Wheel Alignment	103" (2,616.2mm)
Rise	80 3/4" (2,051mm)
Length Overall	20' 10" (6,350mm) 22' 10" (6,959mm)*
Width Overall	10' 11 3/4" (3,346mm)
Inside of Columns	116 1/4" (2,953mm)
Between Front and Rear Columns	195 1/4" (4,959mm)
Height of Columns	7' 6 1/2" (2,281mm)
Width of Runways	20" (508mm)
Height of Runways	9" (228mm)
Width Between Runways	43" (1,092mm) or 46" (1,168mm)
Front of Runway to Center of Radius Gauge	Adj. 22 11/16" - 37 11/16" / (576-960mm)
Lifting Capacity	14,000 lbs. (6,350kg)
Motor	2 HP
Voltage Single Phase**	208v-230v
Time of Full Rise	72 seconds
Min. Bay Size	15' x 25' /(4,572 x 7,620mm)

WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

BL = Blue, RD = Red. * X= 2' Runway extension.
**** Single phase standard**

FORWARD LIFT

14,000 LBS. CAPACITY 4-POST GENERAL SERVICE DRIVE-ON LIFTS

Features

- 78¾" rise for more overhead clearance.
- Heavy duty high-performance cables and sheaves
- Durable powder coat paint finish
- Single point lock release
- 41" louvered ramps for improved traction
- Wheel chocks automatically engage when lift is raised
- Polymer rollers protect floors
- 18 lock positions allow working at any height
- ALI/ETL Certified

OPTIONAL LIFT ACCESSORIES FOR CLOSED AND OPEN FRONT DRIVE-ON LIFTS

- 7,000 lbs. rolling jacks
- Internal Air Line Kit
- Radius gauges
- Bolt-on alignment kit
- Drive Through Ramps
- 2 ft. runway extension
- LED runway light kit

Model shown:
FWD **CR14N201**
Available in blue and red.

Specifications:	*FWD* CR14N201YBL & RD / *FWD* CR14N202YBL & RD	FWD CRO14N101YBL & RD / *FWD* CRO14N102YBL & RD
Lift Design	Closed Front	Open Front
Capacity	14,000 lbs. (6350kg)	14,000 lbs. (6350kg)
Rise	78¾" (2,000mm)	78¾" (2,000mm)
Maximum Wheelbase	182½" (4,635mm) / 206½" (5,245mm)	L 182½" (4,635mm) / EL 215" (5,461mm)
Overall Length	250" (6,350mm) / 274" (6,960mm)	253" (6,426mm) / 286" (7,264mm)
Overall Width	131¾" (3,346mm) / 140½" (3,569mm)	140½" (3,569mm)
Width Inside Columns	116¼" (2,953mm)	116¼" (2,953mm)
Length Between Columns	195¼" (4mm)	L 195¼" (4,946mm) / EL 227¾" (5,785mm)
Overall Height	90½" (2299mm)	109$^{1}/_{16}$" (2,768mm)
Runway Width	20" (508mm)	20" (508mm)
Runway Height	7" (178mm)	7" (178mm)
Width Between Runways	43" (1,092mm) / 46" (1,168mm)	43" (1,092mm)
Rise Time	72 seconds	79 seconds
Voltage Single Phase**	208V/230V	208V/230V
Motor	2HP	2HP
Minimum Bay Size	15' x 25' (4,572mm x 7,620mm) 15' x 27' (4,572mm x 8,230mm)	L 15' x 26' (4,572mm x 7,925mm) EL 15' x 28' (4,572mm x 8,534mm)

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

BL = Blue, RD = Red. * X= 2' Runway extension. ** Single phase standard
Specifications subject to change without notice or liability

HOF **EELR728APKG**

12K 4-POST LIFTS

12k closed front, four-post alignment lifts give you 12,000 lbs of heavy-duty lifting capacity in a compact with no need for multiple lifts. Whether it is a micro car or a heavy-duty pickup, the 12k four post alignment lift has four wheel alignment capabilities that cover a full range of vehicle requirements.

Item No.	Description
HOF **EELR728APKG**	12,000 lb capacity alignment lift

18K 4-POST LIFT

- 18,000 lbs. lifting capacity
- Closed-front alignment lift

Item No.	Description
HOF **FPA18210**	18,000 lb. capacity, 220" wheel base

ALL HOFMANN 4-POST LIFTS FEATURE:

- Alignment level at 21 positions or flat runway versions for multi-purpose vehicle servicing
- Factory installed air kit for connecting the roller jacks
- Triple Safety System: Safety locks in each column with single-point release, auto-engaging mechanical drop locks, and velocity fuses on all hydraulically-operated components
- ALI Certified to the current ANSI/ALCTV automotive lift standard

Specifications

	HOF **EELR728APKG**	*HOF* **FPA18210**
Capacity	12,000 lbs.	18,000 lbs.
Front Accessibility	Closed	Closed
Roller Jack Model	*HOF* **EELS900A**	*HOF* **EELR571A**
4-Wheel Alignment Wheelbase	88.5"-158.5"	86"-144"
2-Wheel Alignment	168.8"	203"
General Service Wheelbase	183"	220"
Runway Width	20.6"	24"
Overall Width	134.8"	152 1/8"
Overall Length	251.5"	303 3/8"
Lowered Height	7.2"	9 1/2"
Raised Height	78"	72"
Lifting Time	74 sec.	70 sec.
Shipping Weight (without jacks)	3307 lbs.	5,465 lbs.
Power Requirements	230V, 1Ph	230V, 1Ph

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HOFMANN

15K 4-POST ALIGNMENT LIFT

The Hofmann® 15K 4-Post Alignment is designed for the modern era of automotive service lifts. Offering 15,000 lbs. of heavy-duty lifting, open-front construction, ultra-wide runways, easy-access low-approach ramps, and extended 100" rear slip plates, this 4-post lift is equipped to handle a diverse range of vehicles and raise your service to the next level.

Item No.	Description
HOF **EELR706APKG**	15K 4-Post Standard Package
HOF **EELR706LLPKG**	15K 4 Post Alignment Lift - Standard length Lights & Locking Kit
HOF **EELR708APKG**	15K 4 Post Alignment Lift - Extended length
HOF **EELR708LLPKG**	15K 4 Post Alignment Lift - Extended length Lights & Locking Kit

HOF **EELR708APKG**

HOFMANN 15K 4-POST ALIGNMENT LIFT FEATURES:

- Expanded clearance and extended runways
- Easy access, open-front design

Specifications

	HOF **EELR706APKG** / *HOF* **EELR706LLPKG** STANDARD	*HOF* **EELR708APKG** / *HOF* **EELR708LLPKG** EXTENDED
Capacity	15,000 lbs. (6804kg)	15,000 lbs. (6804kg)
Front Accessibility	Open-Front	Open-Front
Roller Jack Model	*HOF* **EELR746A**	*HOF* **EELR746A**
4-Wheel Alignment Wheelbase	68" (1727mm) - 158" (4013mm)	68" (1727mm) - 158" (4013mm)
Max. 2-Wheel Alignment	167.75" (4261mm)	195.25" (4959mm)
*** Max. Wheelbase**	183" (4648mm)	210.5" (5347mm)
Runway Width	26" (660mm)	26" (660mm)
Overall Width	142" (3607mm)	142" (3607mm)
Overall Length	250.75" (6370mm)	277" (7036mm)
Runway Min. Height	8" (178mm)	8" (178mm)
Max. Lifting Height	78" (1981mm)	78" (1981mm)
Lifting Time	85 Seconds	85 Seconds
Shipping Weight	4550 lbs (2484kg)	4550 lbs (2484kg)
Power Requirements	3HP 208-230V 1 Phase, 60Hz**	3HP 208-230V 1 Phase, 60Hz**
Air Supply Requirements	90–120 PSI (6-8 BAR)	90–120 PSI (6-8 BAR)

*Wheelbase is based on a tire diameter of 30"
**Optional 3 phase, 50/60Hz, 208, 230 or 460V available

CL Challenger Lifts

30K HEAVY-DUTY LIFT

- Available with a flat deck or alignment deck
- Heavy-duty cable driven lifting
- Compatible with the industry's latest camera imaging alignment systems
- Recessed turn plate pockets for easy drive-on (alignment models)
- Available in black only (02)

Model Shown: *CL* **4030**

	CL **4030SFX02**	*CL* **4030EFX02**	*CL* **4030XFX02**	*CL* **4030SAX02**	*CL* **4030EAX02**	*CL* **4030XAX02**
Model Number	4030SFX	4030EFX	4030XFX	4030SAX	4030EAX	4030XAX
Max. Wheelbase	244.5"	281"	317"	244.5"	281"	317"
Overall Length	308"	344"	380"	308"	344"	380"
Overall Width	172.75"	172.75"	172.75"	172.75"	172.75"	172.75"
Width of Runways	24"					
Width Between Runways	46" - 52"					
Air Supply Required	90 - 120 psi					
Motor / Voltage (1 Phase Std)	3HP, 208V - 230V					
Max 2 Wheel Alignment	-	-	-	219.5"	256"	292"
Min Recomm. Bay Size	28' x 17'	31' x 17'	34' x 17'	28' x 17'	31' x 17'	34' x 17'

4-Post Lifts

quality lifts

7K / 9K PORTABLE OR FIXED HOME STORAGE

- Commercial grade design with rigid formed columns and runways for superior strength and dependability, yet light enough to move around the garage with optional caster wheel
- 115v standard plug-in power unit with optional 220v version available as a no charge upgrade
- Power unit can be mounted on driver front or passenger rear column
- Factory installed mechanical lock system meeting ANSI safety standards
- Aluminum ramps standard
- Single point mechanical lock release
- Available in different widths and heights to accommodate your needs.

Model Shown:
CL **Q4P09X**

	CL **Q4P07-110** *CL* **Q4P07-220**	*CL* **Q4P09H-110** *CL* **Q4P09H-220**	*CL* **Q4P09X-110** *CL* **Q4P09X-220**	*CL* **Q4P09W-110** *CL* **Q4P09W-220**
Mfr. Number	CL4P7	CL4P9S	CL4P9X	CL4P9W
Lifting Capacity	7,000 lbs.	9,000 lbs.		
Length Overall	195.5"	209.5"	233.5"	233.5"
Width Overall	100.5"	112.25"		127.25"
Inside Columns	92.125"	95"		110"
Between Columns	147.5"	160.5"	184.75"	184.75"
Height of Columns	6' 7.5"	7' .5"	8' .5"	8' .5"
Height of Runways	5.75"	7"		
Width of Runways	20"			
Width Between Runways	38"			
Rise Height	68.125"	73.25"	85.5"	
Clearance Height (Storage)	63'	67.75"	80"	
Max. Wheelbase	141.5"	155"	179"	
Crossbeam Clearance Height	63"	68"	80"	
Motor	1HP/2HP			
Voltage (1 Phase Std)	115V/230V			
Rise Time (Sec) (115v/230v)	120/60 s			
Min. Recommended Bay Size	10' x 20'	11' x 22'		14' x 22'

22,000 LB. CAPACITY ALIGNMENT LIFT

New high capacity open front design / engineered for cars and commercial vehicles.

- Only class 1- 5 open front alignment lift in the market
- Factory installed LED runway lighting system
- 15,000lb low profile rear jacks and 9,000 front to handle most passenger cars and trucks"

Item No.	Description
RTY **ARO22N000RD**	Red, 215" Standard Runways
RTY **ARO22N000BL**	Blue, 215" Standard Runways
RTY **ARO22N001RD**	Red, 251" Extended Runways
RTY **ARO22N001BL**	Blue, 251" Extended Runways

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FORWARD LIFT

Model shown: *FWD* **EFP9P000**
9,000 lbs. capacity
Available in black only.

ENTHUSIAST GARAGE LIFT IN 8000 OR 9000 LB. CAPACITY

Exclusive Adjustable Lock Ladder System - Double Your Parking Space Instantly!

- Multi-position locks allow runways to be level at any lock position
- Single point lock release
- Includes steel approach ramps
- Includes wheel caster kit
- Includes jack tray
- Includes drip trays
- Powder coat finish
- ALI/ETL Certified

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Specifications	*FWD* **EFP8P000MBK**	*FWD* **EFP9P000MBK**
Capacity	8,000 lbs.	9,000 lbs.
Rise	72"	84"
Overall Length w/ Approach Ramps	207½"	225½"
Overall Length w/o Approach Ramps	176"	193⅛"
Overall Width	115"	121"
Approach Ramp Length	36¾"	36¼"
Runway Width	18½"	21¾"
Runway Length	165½"	184½"
Runway Height	4½"	4¾"
Height of Columns	83"	97"
Clearance Between Columns	94"	109½"
Clearance Between Runways	38"	39"
Outside Runway to Outside Runway	74¾"	79"
Clearance Under Runway	68"	81"
Motor Specs	110VAC, 1HP	110VAC, 1HP

quality lifts

6K MIDRISE LIFT

- 6,000 lb. lift capacity
- 52.75" raised height
- 40" overall width
- Short and tall auxiliary adapters come standard
- Multiple locking positions

	CL **MR602**
Mfr. Number	MR6
Rise Height	52.75"
Overall Length	94"
Overall Width	40"
Min. Collapsed Table Height	5.5"
Pad Height (Min.)	8.625"
Pad Height (Max.)	60"
Hydraulic Hose	144"
Safety Lock Positions	6
Motor / Voltage	1HP, 115V, 60Hz, 1Ph
Rise Time (Sec)	45 s
Min. Recomm. Bay Size	10' x 22'

FORWARD LIFT

FWD **6000MRLFBK**

LIGHT-DUTY MID-RISE LIFT

The mid-rise lift is an excellent choice for low ceilings or adding a bay for seasonal increases in business. Provides good working height for tires, brakes and body repairs.

- Full 6,000 lbs. capacity
- Portable
- Two hydraulic cylinders
- Fast operation: 20-30 seconds
- Multiple locking positions
- Truck adapters included
- Black

Specifications

Capacity ..... 6,000 lbs.
Rise ..... 52"
Length ..... 83"
Width ..... 41"
Fully Lowered ..... 5"
Voltage/Amps ..... 110v, 15 amps
Motor/Phase 1 HP/1Ø*

FWD **6000MRLFBK**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

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HOF **EELR785APKG**

HOFMANN®

14K SCISSOR LIFT

True Task Lighting System (Lights and Locks models only)*
Patented auto on/off light feature ensures no power when operating in the hazard zone. Patented light mounting position optimizes viewing angle, illuminating key inspection and adjustment areas.

Unmatched Productivity, Performance and Value
Hofmann® Scissor Alignment Lifts are easy to operate, provide increased accessibility to alignment adjustment areas and are easy to load. Space saving design allows for up to five scissor lifts to fit into the same operating space as four 4-post lifts.

Features:

- Approved for use in Class 1 Division 1 environments for both surface and flush mount models
- Maintenance reduced rear slip plates use oversized, encapsulated bearings that roll upward to protect against environment debris
- Four hydraulic cylinders in a cross aligned arrangement provide secure lifting power and added safety
- Approach ramps are equipped with end sliders to minimize noise and reduce floor damage
- Adjustable maximum lift height suits locations with low ceilings
- Safety systems include:
  1. Mechanical locking with pneumatic safety lock release from the control console
  2. Flow sensing valves within the hydraulic control circuit
  3. Redundant hydraulic safety system with cross aligned hydraulic circuits
- On-board Filter/Regulator/Lubricator (FRL) provides clean and lubricated air to help reduce maintenance and protect pneumatic systems
- Models equipped with locks and lights; have ease locking control activation from the lift console to reduce walking and effort from resetting alignment pins in plates include locking components made from corrosion resistant materials illuminate alignment adjustment and calibration areas front LEDs are mounted in the front turnplate base to easily accommodating varying vehicle wheel tracks rear LEDs are strategically positioned on the rear slip plates*
- All models have been tested and validated by an independent third party to the ANSI/ALI automotive lift standard, ALCTV

HOF **EELR785APKG**

***All Hofmann Lift Packages includes 2 Jacks, Turntables and Rollback Kit**

Specifications

14K Scissor Lift	Short Bay Surface Mount	Standard Bay Surface Mount	Short Bay Flush Mount	Standard Bay Flush Mount	Short Bay, Surface Mount with Lights and Locks	Standard Bay, Surface Mount with Lights and Locks	Short Bay, Flush Mount with Lights and Locks	Standard Bay, Flush Mount with Lights and Locks
	HOF **EELR783APKG**	*HOF* **EELR787APKG**	*HOF* **EELR784APKG**	*HOF* **EELR788APKG**	*HOF* **EELR785APKG***	*HOF* **EELR789APKG***	*HOF* **EELR786APKG***	*HOF* **EELR790APKG***
Maximum capacity	14,000 lbs (6,350 kg)				14,000 lbs (6,350 kg)			
Overall width	92.5" (234.95 cm)				92.5" (234.95 cm)			
Width between runways	38" (96.52 cm)				38" (96.52 cm)			
Overall Length: Short Bay (Surface / Flush) Standard Bay (Surface / Flush)	256.19"/222.38" (650.7/564.8 cm) 270"/238.63" (685.8/606 cm)				256.19"/222.38" (650.7/564.8 cm) 270"/238.63" (685.8/606 cm)			
4 wheel alignment wheelbase	88"-155" (223.52 - 393.7 cm)				88"-155" (223.52 - 393.7 cm)			
2 wheel alignment wheelbase (Short / Standard)	Up to 165" (419 cm)/180" (457 cm)				Up to 165" (419 cm)/180" (457 cm)			
General service wheel base (Short / Standard)	Up to 179" (454.7 cm)/194"(492.8 cm)				Up to 179" (454.7 cm)/194"(492.8 cm)			
Lifting time (at full load)	75-85 Seconds				75-85 Seconds			
Air supply requirements	90-120 PSI				90-120 PSI			
Power supply requirements	230V, 1Ph, 60Hz 20AMP				230V, 1Ph, 60Hz 20AMP			

Specifications

12K Scissor Lift Item No.	Lifting Capacity	Open Front	Fully Open Front and Rear	4-Wheel Alignment Wheelbase (Min./Max.)	2-Wheel Alignment Wheelbase	Overall Width	Runway Width	Overall Length	Raised Height	Flush Mount
HOF **EELR709APKG**	12,000 lbs.	Y	89"-158"	165"	179"	90"	24"	242"-294"	70"	No
HOF **EELR724APKG**	12,000 lbs.	Y	89"-158"	165"	179"	90"	24"	220"	57½"	Yes

HOF **EELR709APKG** / *HOF* **EELA724APKG** have 12,000 lb. lifting capacity with a rise time of 95 seconds and a lowering time of 45 seconds. Minimum lowered height of 12K surface mounted is 12½".

CL Challenger Lifts

14K SCISSOR ALIGNMENT LIFT

- 74.5" rise height (66.5" if flush mounted)
- Easy flip up ramps lock to extend the platform load length
- Package includes two (2) rolling jacks, turn plates, and an airline kit for dual jack operation
- Automatic light feature

	CL CLSX14	CL CLSX14FM
Model Number	SX14	SX14-R
Lifting Capacity	14,000 lbs.	
Rise Height	77"	66.5"
Overall Length	265"	219"
Overall Width	91.25"	
Width of Runways	25.5"	
Between Runways	40"	
Maximum Wheelbase	183"	
Lowered Height	10.5"	—
Motor/Voltage	2HP, Single Phase, 60Hz, 208/220V	
Air Supply Required	90 - 120 psi	
Rise Time (Sec)	75 s	

CL Challenger Lifts

10K SHORT-RISE LIFT

- 22" raised height
- Standard two-position spotting blocks
- Three locking positions for ease of use
- Can be mounted flush
- Available in red (04) or blue (06)
- Optional flush mount kit

	CL SRM1004 (Red) CL SRM1006 (Blue)
Model Number	SRM10
Lifting Capacity	10,000 lbs.
Raised Height	22"
Motor / Voltage	1HP, 115V, 60Hz, 1Ph

CL Challenger Lifts

7.7K DOUBLE SCISSOR LIFT

- 74.5" rise height (70" if flush mounted)
- Easy flip up ramps lock to extend the platform load length
- Double scissor lifting for taller rise
- Power unit console includes three simple push button controls

	CL DX77	CL DX77R
Model Number	DX77	DX77R
Lifting Capacity	7,700 lbs.	
Installation	Standard	Flush Mount
Rise Height	74.5"	70"
Motor/Voltage	2HP, Single Phase, 60Hz, 208/220V	
Air Supply Required	90 - 120 psi	

FORWARD LIFT

FWD **1000MCLMFBK**

MOTORCYCLE LIFTS

- Front wheel vise prevents wheel movement during securing, lifting and maintenance.
- Foot pedal controlled air valve operates on 100 psi air.
- Rear section (for the Droptail version) is removable for complete rear wheel access.
- Side extensions are standard for ATV and additional vehicle service.
- The motorcycle lift comes with a wheel vise and two 12" extensions, making it great for motorcycles, ATVs, lawn mowers, golf carts, etc.
- Drop Tail version includes wheel jack for wheel and tire service.

Specifications

Capacity ..... 1,000 lbs.
Rise ..... 33"
Min. Height ..... 7 1/4"
Length with Ramp ..... 113"
Length without Ramp ..... 93"
Width of Platform ..... 24"
Width with ATV Adapters ..... 48"
Air Requirements ..... 90-100 PSI

Item No.	Description
FWD **1000MCLMFBK**	Black
FWD **1000MCLDTMFBK**	Black, Drop Tail Version

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Mobile Column Lifts & Accessories

Challenger Lifts

Model Shown:
CL **44050**
CL **44060X04**

18K - 60K HEAVY-DUTY LIFTS

- 18,000 lb. to 60,000 lb. capacity 4-post models available
- Chain driven for HD lifting
- Multiple wheel base options
- 18,000 lb. alignment option available
- Rack package option available, including 9k jacks, turn plates, airline kit & rear slip plates
- Available in black only, add (02) after part number.

	CL 44018	*CL* 44018EXT	*CL* AR44018AR	*CL* 44040	*CL* 44040EXT	*CL* 44040X	*CL* 44050	*CL* 44050EXT	*CL* 44050X	*CL* 44060	*CL* 44060EXT	*CL* 44060X
Model Number	44018	44018E	44018AR	44040	44040E	44040X	44050	44050E	44050X	44060	44060E	44060X
Lifting Capacity	18,000 lbs.			40,000 lbs.			50,000 lbs.			60,000 lbs.		
Max Wheelbase	194"	230"	236"	310"	370"	430"	310"	370"	430"	310"	370"	430"
Rise Height	78.75"	78.75"	83.375"	73"								
Overall Length	259"	292"	311.5"	432'		552'	432'	492'	552'	432'	492'	552'
Overall Width	138.125"		141.5"	17' 1.25"								
Inside Columns	121"		122"	144"								
Between Columns	204"	240"	204"	290"	350"	410"	290"	350"	410"	290"	350"	410"
Height Overall	102.5"			92"								
Height of Runways	7.25"		11.875"	14"								
Width of Runways	22"			32"								
Width Btw Runways	36" - 54"			36" - 58"								
Motor / Voltage	3HP, 208 - 230V Single Phase*			10HP, 230 - 460V Three Phase			15HP, 230 - 460V Three Phase					

MAHLE

MOBILE COLUMN LIFT

- Heavy duty lifting capacity
- Patented Wireless Smart Lift Technology
- Tablet based touch screen with on-board manuals, videos and internet
- 24 volt DC system
- Broad application, able to lift heavy- and light-duty vehicles
- Fully adjustable carriage
- Patent pending down-stop visual safety system
- Adjustable lift height of 69"
- 4 Columns come in pack

Item No.	Size
RTI **4858009500**	28-Ton
RTI **4858009900**	38-Ton

Challenger Lifts

Model Shown:
CL **CLHM-140-4**

14,000 LB. - 19,000 LB. HEAVY-DUTY MOBILE COLUMNS

- CLHM-140, CLHM-190, & CHLM-190W available in sets of 2, 4, 6, & 8.
- Can be operated on almost any solid surface, indoors or out
- Lift any rubber-tired vehicle, from small passenger cars to large 2-, 3- or 4-axle vehicles
- Up to 14,000 lbs. or 19,000 lbs. capacity per column
- Battery wireless operation
- Touch screen controls
- Adjustable wheel forks
- Quality construction made in the USA
- Built-in height & weight gauges
- 110v charging
- Built-in charging cord reel

ACCESSORIES

SUPPORT STANDS

HIGH STANDS WITH GAS ASSIST
- 53-72", 14,000 lb. capacity each, 2.75" adjustment increments

CL **CLHM-7-THR** *(shown)*

MEDIUM STANDS
- 30-52", 20,000 lb. capacity each, 1" adjustment increments

CL **CLHM-10-THF**

SHORT STANDS
- 20-32", 20,000 lb. capacity each, 1" adjustment increments

CL **CLHM-10-TH**

TRANSMISSION JACK
- 2,700 lbs. capacity, 30" start height, 72" max. height, 360° rotating head with fore & aft tilt. First stage power is 100 percent air. Second stage power is air/hydraulic for precise control.

CL **CLHM-HTCJ-2000**

CLUTCH JACK
- 300 lb. capacity, 360° rotating head, 80.5" max. lifting height
- Hydraulic powered

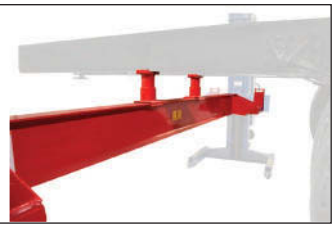
CL **CLHM-HR-300**

CAB-OFF ADAPTER
- A safe & efficient solution for cab-off vehicle maintenance. Adjustable length accommodates both 2- & 4-door trucks.

CL **CLHM-CA-15**

CROSSBEAM ADAPTER
- 32,000 lb. capacity adapter allows you to lift by frame rails.

CL **CLHM-CB-32A**



LIGHT KIT
- Two magnetic lights per kit

CL **CLHM-LS-LK**

FORK LIFT ADAPTER
- 15,000 lb. capacity adapter allows you to raise fork lifts 64".

CL **CLHM-FLA**

END LIFT ADAPTER
- 9,000 lb. capacity (per column) used to support vehicle from front & back. Designed specifically to lift Humvees.

CL **CLHM-ELA-90A**

SCAN FOR MORE INFORMATION ABOUT CHALLENGER LIFTS' MOBILE COLUMNS

Challenger Lifts

Mobile Column Lifts

Challenger Lifts

20K - 40K PNEUMATIC WHEEL LIFTS

- 100% air operated system
- Mid-rise lift system elevates one end of a wide array of vehicles with a tire gripping carriage
- American-made air cylinder

SCAN FOR MORE INFORMATION ABOUT CHALLENGER LIFTS

Challenger Lifts

	CL CLHMMR20	CL CLHMM30	CL CLHMMR40
Mfr. Number	CLHMMR20	CLHMMR30	CLHMMR40
Capacity per Pair	20,000 lbs	30,000 lbs	40,000 lbs
Min. Start Height	Floor Level		
Max. Lift Height	30"		
Required Air Pressure	160 PSI		
Stroke	30"		
Minimum Wheel Diameter (w/ Adapters)	16"		14"
Minimum Wheel Diameter (w/o Adapters)	19½"		21"
Maximum Wheel Diameter	44"		45"
Overall Width	41 9/16"		45"
Overall Depth	44 1/4"		44"
Overall Height	53 1/4"		63"

JET

https://www.jettools.com/us/en/home/

S90 SERIES HAND CHAIN HOISTS

JET® S90 Series hand chain hoists were designed with reliability and durability to perform in light-duty industrial applications. The JET S90 is the ideal contractor grade hoist.

Item No.	Capacity (Tons)	Capacity (Lbs)	Standard Lift (Ft.)	Headroom (In)	Number of Falls	Load Chain (dia/mm)	Required Hand Chain to Lift Capacity	Pounds of Pull to Lift Capacity	Weight (Lbs)
1-Ton Standard Model									
JET **101910**	1	2,200	10	12	1	6 x 18	53	60½	26
2-Ton Standard Model									
JET **101930**	2	4,400	10	17½	1	8 x 24	71	91 3/5	40

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

MINI PULLER

JET® JLP-A Series lever hoists combine safety, reliability, and durability that are designed to perform in light to medium-duty industrial applications.

Item No.	Capacity (Tons)	Standard Lift (Ft.)
JET **287100**	¼	5
JET **287101**	¼	10
JET **287200**	½	5
JET **287201**	½	10

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

LEVER HOIST

JET® JLP-A Series lever hoists combine safety, reliability, and durability that are designed to perform in light to medium-duty industrial applications. The patented Brake Wear Indicator increases safety by letting you know when to replace the friction disks.

Item No.	Capacity (Tons)	Standard Lift (Ft.)
JET **287301**	¾	10
JET **287401**	1½	10
JET **287501**	3	10

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

TRADEMASTER SERIES ELECTRIC HOISTS

- Only DC Brushless motor in the market!
- Lightweight compact housing
- 5 pocket chain sheave
- Thermal overload protection
- Molded carrying case INCLUDED!

Item No.	Description
JET **104000**	BLVS018-1P-10 1/8T Elec. Hst. 10' Lift 1 P
JET **104002**	BLVS018-1P-20 1/8T Elec. Hst. 20' Lift 1 P
JET **104011**	BLVS025-1P-10 1/4T Elec. Hst. 10' Lift 1 P
JET **104013**	BLVS025-1P-20 1/4T Elec. Hst. 20' Lift 1 P
JET **104022**	BLVS050-1P-10 1/2T Elec. Hst. 10' Lift 1 P
JET **104024**	BLVS050-1P-20 1/2T Elec. Hst. 20' Lift 1 P

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and reproductive harm. For more information go to www.P65warnings.ca.gov.**

Coats® Tire Changers 734-735
Coats® Tire Heavy-Duty Changers 738
Bead Seating Tools 745
Hofmann® Tire Changers 735-736
Inflation System 747
Lug Wrenches 738-739
Rotary Lift® Tire Changers 737
Tire Hammers 744
Tire Lubricants 745-746
Tire Mounting/Demounting Tools 743
Tire Taxi 747
Tire Test Tank 747
Torque Sockets 740-742
Wheel Separators 739

TIRE CHANGERS

Coats® Tire Changers

RC SERIES RC-45 RIM CLAMP® TIRE CHANGER

- Foot Controlled Bead Loosener
- Maximum Tire width: 10.5”
- 6" – 24" Clamping range
- Metal clamps
- Steel head plastic insert standard
- Limited warranty

Item No.	Description
CTC **RC45E**	Electric
CTC **RC45A**	Air

RC SERIES RC-55 RIM CLAMP® TIRE CHANGER

- RC Robo-Arm® helper device to help press the bead in the drop center
- Foot Controlled Bead Loosener
- Maximum Tire width: 10.5"
- 6" – 24" Clamping range
- Metal clamps
- Steel head plastic insert standard
- Limited warranty

Item No.	Description
CTC **RC55E**	Electric
CTC **RC55A**	Air

X-SERIES® 60X RIM CLAMP® TIRE CHANGER

- Patented Robo-Arm® helper device
- Single speed electric motor or high torque variable speed air motor
- Best in class clamping range 6" – 24"
- Single Point Sealer
- Hand Actuated Bead Loosener

Item No.	Description
CTC **60XAH1**	Air, Hand, Basic
CTC **60XEH1**	Electric, Hand, Basic

COATS® 80X RIM CLAMP® TIRE CHANGER

- RoboRoller® powered assist device
- Patented Robo-Arm® helper device
- Best-in-class clamping range: 6" - 24"
- Single point sealer
- Hand actuated bead loosener
- Single speed electric motor or high-torque variable speed air motor
- Grip-Max® clamps included

Item No.	Description
CTC **80XA**	Air, Hand Controlled
CTC **80XEH220**	Electric, Hand Controlled

COATS® 80C-CENTER CLAMP TIRE CHANGER

- Brand-new center clamp design for ease of use and minimized metal-to-metal contact
- Available in rugged 220V, 2HP electric motor, or air motor
- RoboRoller device for direct pressure on tough assemblies
- Clamping range from 10" to 30"
- Standard Auxiliary Bead Sealer system

Item No.	Description
CTC **80CAH3**	Air, Hand Controlled
CTC **80CEH220**	Electric, Hand Controlled

X-SERIES® 90X RIM CLAMP® TIRE CHANGER

- Leverless Duckhead® Mount/Demount Tool
- RoboRoller® powered assist device
- Patented Robo-Arm® helper device
- 2 speed electric motor or high torque variable speed air motor
- Best in class clamping range 6" – 24"
- Grip-Max® Clamps included
- Single Point Sealer
- Hand Actuated Bead Loosener

Item No.	Description
CTC **90XEHL**	Electric, Hand, Leverless
CTC **90XAHL**	Air, Hand, Leverless

Coats

9028E RIM CLAMP® TIRE CHANGER

- Tilt Back Tower
- Robo Arm
- Power Taper Roller
- Lifting Disks
- 2 HP Electric Motor

CTC **9028**

Coats

X-SERIES® APX90 RIM CLAMP® TIRE CHANGER

- Best-in-class clamping range: 9"-30"
- High-torque Electric Turntable
- Hand Actuated Bead Loosener
- High-torque Electric Turntable
- Duckhead® Roller
- Wheel Lift
- 2 HP Motor

Item No.	Description
CTC **APX90A**	Air, Hand Controlled
CTC **APX90E**	Electric, Hand Controlled

Coats

AUXILIARY BEAD SEALER - FOR RIM CLAMP TIRE CHANGER

The Coats Auxiliary Bead Sealer (ABS) taps into the tire changers surge tank, providing additional bead seating volume. The ABS assists with sealing difficult applications. The Auxiliary Bead Sealer is compatible with all X-Series, RC Series and GTS Series tire changers.

CTC **5606545**

HOFMANN

PATENTED SMARTSPEED TECHNOLOGY

Automatically selects the best speed for the operation being performed giving you a more controlled operation

monty® 8800 TIRE CHANGER SMARTSPEED

- powerMONT™ leverless technology is an innovative and fast mount/demount system with simple controls for precise tool positioning to prevent tire damage and technician injury
- Fast and easy to use leverless mount/demount system
- quickLOK™ automatic center post clamping system
- Patented smartSpeed™ technology automatically controls turntable speed and torque to minimize tire and wheel damage
- On-floor bead breaker – The fastest solution for tires with high aspect ratio
- Camera and monitor to control operation on the lower bead

Item No.	Description
HOF **EEWH778AUB**	monty® 8800 with smartSpeed (230V, 1Ph 60 Hz)

HOFMANN

monty® 8100S TIRE CHANGER SMARTSPEED

The monty® 8100S center post tire changer is designed for easy use with minimal training of technicians, reducing shop overhead and adding to our customer's bottom line. Traditional center post design coupled with Hofmann's innovative feature set makes this tire changer highly productive and reduces the risk of wheel damage.

HOF **EEWH768AC**
Shown with optional Bead Assist (EAK0317991A)

Item No.	Description
HOF **EEWH768AC**	monty® 8100S with smartSpeed (230V, 1Ph, 60Hz)
HOF **EAK0317991A**	Bead Assist (230V, 1Ph, 60Hz)

INDEX

Hofmann® Tire Changers

HOFMANN

monty® 3550EM TILT-TOWER TIRE CHANGERS SERIES

- Accommodates large wheel and tire assemblies
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Pneumatically-controlled bead head
- Powerful tire inflation system
- EasyMont Pro Pneumatic Bead Assist Device assists a single operator in mounting/demounting low-profile and high-performance tires

Item No.	Description
HOF **M3550EM110B**	monty® 3550EM (115V, 1Ph, 60Hz)
HOF **EEWB747B**	monty® 3550EM with smartSpeed (230V, 1Ph, 60Hz)

monty® 1675 SERIES

The Hofmann® 1675 tire changing system is ideal for handling passenger cars, light trucks and high-performance wheel/tire assemblies. Ergonomic design and safety enhancing features provide the technician a safe workspace when changing a variety of tires. Locking mount/demount head offset provides maximum cosmetic safety for expensive wheels and significantly reduces the risk of harming wheel/tire assemblies.

Item No.	Description
HOF **EEWH779CU1**	monty® 1675 with smartSpeed (230V, 1Ph, 60Hz)
HOF **EEWH779CU2**	monty® 1675 (115V, 1Ph, 60Hz)

monty® 1625/1625EM SWING-ARM TIRE CHANGERS

- Multi-position bead breaker
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Powerful tire inflation system
- EasyMont Pro Pneumatic Bead Assist Device assists a single operator in mounting/demounting low-profile and high-performance tires (standard on monty® 1625EM only)
-
-

Item No.	Description
HOF **MONTY1625B**	monty® 1625 (115V, 1Ph, 60Hz)
HOF **M1625EM110B**	monty® 1625EM with Bead Assist (115V, 1Ph, 60Hz)
HOF **EEWH748B**	monty® 1625 with smartSpeed (230V, 1Ph, 60Hz)

monty® 1575 TIRE CHANGER

Heavy-duty tire changer designed for multi-bay repair shops, car dealerships and tire stores.

- Powerful two-stage bead breaker
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Powerful tire inflation system

Item No.	Description
HOF **MONTY1575B**	monty® 1575 (115V, 1Ph, 60Hz)

monty® 1270 TIRE CHANGER

Innovative tire changer for general repair shops. Swing-arm tire changer with a small footprint and 20" outside clamping capability

Item No.	Description
HOF **EEWH764AU1**	monty® 1270 (115V, 1Ph, 60Hz)

R247D.CL CENTER POST TIRE CHANGER

- Quick Locking Wheel Centering Adapter
- Helper Arm with Bead Roller
- Side Mounted Bead Breaker
- Integrated Wheel Lift

RTY **RWC247DCLIB**

R1150 LEVERLESS | TIRE CHANGER

Lever Less hub mounting tire changer that offers a safe and efficient way to change a large variety of difficult tires and wheels.

- Patented NO LEVER System
- Locking system suitable for reverse rims
- Quick locking device with centering cone
- Rim diameters through 30"
- Tire diameters through 45"
- 220 volt variable speed inverter motor

Specifications

Handles Wheels From: ..... 10"-26"/ 12"-28"/14"-30"
Maximum Wheel Width: ..... 15"
Maximum Wheel Diameter:..... 45"
Bead Breaker Power:..... 2645 lbs.
Bead Breaker Movement: ..... Automatic
Rotation Motor:..... 2Hp
Recommended Air Supply:..... 115-145 Psi / 8-10 bar
Power Supply:..... 220v / 1Ø / 60 Hz

RTY **RWC115030I**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

R1200 LEVERLESS PRO

Automatic leverless tire changer with synchronized dual bead breaking rollers. Hub mounted, dual roller system requires no tools. There's no metal-to-metal contact with patented leverless mount / demount tool. The bead breaker system and tool simultaneously position in one simple movement. Demount and mount the most challenging tire and wheel combinations - normal and reverse rims, run flat, and SST.

- Integrated pneumatic wheel lift
- 3-position pedestal with self-locking plate - handle wheels with a 10" to 30" diameter
- Quick-lock rim clamping device with guard
- Centering adapter / double conic
- Rubber turntable guard
- Pin protectors for centering pulling unit
- Bead pusher to assist seating bead to rim
- Foot pedal controls for inflation, rotation and wheel lift Inflation station
- Storage cabinet
- Tire paste lubricant and brush

RTY **RWC1200**

⚠ **WARNING: California Prop 65 - Warning: This product contains chemicals known to the state of California to cause cancer and/or reproductive harm and birth defects or other reproductive harm.**

RR146RP SUPER SWINGARM PRO MAX

The hand controlled R146RP SUPER includes an air-driven PLUS91SA HELPER ARM. This bead top pressing and tire lifting device for large and special tires features a lower bead lifting roller and pneumatic top bead pressing tool.

- Hand controlled, double-acting bead breaker
- Extra large 46" frame
- 110v drive motor supplies needed torque
- Air tank located in column
- Gear box is supported by steel plates to avoid flex
- Removable pedal assembly for easy maintenance
- Valve tray
- Tire paste lubricant and brush

Standard Accessories: Bead Pushing Roller *RTY* **VSG800A59** for plastic mount /demount head, Bead Pushing Roller *RTY* **VSG800A18** for metal mount / demount head, Storage Tray *RTY* **VSG800A77**

RTY **R146RPS**

⚠ **WARNING: California Prop 65 - Warning: This product contains chemicals known to the state of California to cause cancer and/or reproductive harm and birth defects or other reproductive harm.**

TIRE CHANGERS

Coats® Tire Heavy-Duty Changers & Lug Wrenches

Coats

HEAVY-DUTY TIRE CHANGER

- Four-jaw chuck allows fast and easy clamping of virtually all rim styles, including de-mountable, reverse disc, standard disc and off-road style wheels
- Floating jaws match wheel contours for excellent grip and safety
- Solid, single-piece frame for added capacity and reliability
- Portable wired control unit lets you work from the best angle at all times

CTC **CHD-6330**

Coats

HEAVY-DUTY TIRE CHANGER

- Offers the most automated features and widest range of fittings in the CHD line
- Remote control rotating tool head/arm for the fastest, easiest tool changes in the business
- Optional wireless remove gives you freedom to move around the
- machine without cumbersome cables
- Handles rim from 14" to 46" (up to 56" with clamp extensions) and tires up to 95" in diameter and 51" wide

CTC **CHD-9551**

Coats

HEAVY-DUTY TIRE CHANGER

- Extended capacity four-jaw chuck, which allows for use on a massive range of applications
- Open frame design for easy wheel movement
- Handles rim from 14" to 46" (up to 56" with clamp extensions) and tires up to 90.5" in diameter and 42" wide

CTC **CHD-9041**

Coats

PASTE TIRE LUBE

Pail 7.72 lbs. (3.5 kg)

CTC **183710**

Ken-Tool — WHEREVER TIRES ARE CHANGED™

ECONOMY LUG WRENCHES

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35662**	3/4", 13/16", 7/8", 17mm	18"	9/16"	3.2 lbs
SPC **35663**	17mm, 19mm, 21mm, 22mm	18"	9/16"	3.2 lbs
SPC **35623**	3/4", 13/16", 7/8", 17mm	20"	9/16"	3.4 lbs
SPC **35620**	3/4", 13/16", 7/8", 17mm	20"	9/16"	3.4 lbs
SPC **35624**	17mm, 19mm, 21mm, 22mm	20"	9/16"	3.4 lbs
SPC **35820**	17mm, 19mm, 21mm, 22mm	20"	9/16"	3.4 lbs
SPC **35661**	3/4", 13/16", 7/8", 17mm	22"	9/16"	3.8 lbs

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ken-Tool — WHEREVER TIRES ARE CHANGED™

LIGHT TRUCK/RV AND PASSENGER LUG WRENCHES

Item No.	Socket Sizes	Length	Stock	Weight
Light Truck/RV				
SPC **35638**	22mm (7/8"), 24mm (15/16"), 25mm (1"), 27mm (1 1/16")	23"	11/16"	5.6 lbs
SPC **35627**	22mm (7/8"), 24mm (15/16"), 25mm (1"), 27mm (1 1/16")	23"	11/16"	5.6 lbs
Passenger				
SPC **35637**	17mm, 19mm, 21mm, 22mm	18"	9/16"	3.6 lbs

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ken-Tool — WHEREVER TIRES ARE CHANGED™

PROFESSIONAL LUG WRENCHES

These wrenches are America's premier professional lug wrenches for cars, light trucks, SUV's, RV's, and vans. Drop-forged centers for extra strength. Keep wrenches in truck for emergencies or everyday use.

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35657**	3/4", 13/16", 7/8", 15/16"	23"	5/8"	4.5 lbs
SPC **35656**	17mm, 19mm, 21mm, 22mm	23"	5/8"	4 lbs

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ken-Tool — WHEREVER TIRES ARE CHANGED™

STANDARD LUG WRENCHES

Welded center construction for strength and durability. Premium grade, special bar quality steel for extra strength.

Item No.	Socket Sizes	Length	Stock	Weight
Light Truck/RV				
SPC **35690**	7/8" Deep Well; 15/16", 1", 1 1/16"	25"	3/4"	7.2 lbs
Passenger				
SPC **35659**	3/4", 13/16", 7/8", 15/16"	22"	5/8"	4.2 lbs

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Changers

ECONOMY FOUR-WAY LUG WRENCHES

A complete line of lug wrenches value priced and merchandised to maximize your DIY business. These wrenches are tough and dependable. Chrome-plated finish, welded center. Imported.

SPC **35630**

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35630**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	20" 51 cm	5/8" 16 mm	3.7 lbs. 1.7 kg.
SPC **35635**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	14" 36 cm	5/8" 16 mm	2.6 lbs. 1.2 kg.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

FOLDING PASSENGER CAR LUG WRENCH

Chrome-plated finish. Imported.

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35633**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	14" 36 cm	9/16" 14 mm	2.7 lbs. 1.2 kg.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

STOW & GO 4-WAY HD LUG WRENCH

- Folds to save space in your truck and locks into place for easy use
- Push button in center allows wrench to fold after use.
- Sliding arms give extra leverage for removing lug nuts
- Sockets: 17mm, 19mm, 21mm, and 1/2" square drive adaptor for use with other sockets

Item No.	Description	Length
SPC **35636**	17mm, 19mm, 21mm and 1/2" square drive adaptor for use with other sockets	16" (40.64 cm)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

TELESCOPING - PASSENGER CARS

Chrome-plated finish. Imported.

Item No.	Socket Sizes	Length	Weight
SPC **35634**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	21" (Extended) 53 cm	3 lbs. 1.4 kg.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

WHEEL MATE™

Wheel Mate™ easily guides tire and rim. One tool is designed to fit stud sizes 7/16", 1/2", or 12mm for most passenger cars while the other tool is designed to fit stud sizes 9/16" or 14mm for most trucks 3/4 ton or larger. Pack of 2.

NTH **90-2020**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

WHEEL HANGER GUIDES

Wheel hanger slides into wheel lug nut holes without using threads, aiding the technician during wheel mounting. Saves time. Supports wheel / tire so the technician can easily thread lug nut bolts into the brake rotor. Avoids dropping the tire or having the outside section of the rim hit the floor and scratch. Made of durable bulletproof polycarbonate plastic. For use on Mercedes, Audi, BMW, Mini Cooper, SAAB and Volvo vehicles.

BK **700-2564** Red. 12mm Thread Size
BK **700-2565** Black. 14mm Thread Size

DUAL WHEEL SEPARATOR

Makes removing stuck or frozen dual steel wheels quick and easy. Ideal for use on nearly any truck, bus, van or trailer that has dual steel wheels.

- Innovative "One-piece" Pusher won't fall apart during use
- Pusher is ball bearing-driven for near-zero turning resistance
- Pusher is heat treated for long-lasting strength and durability
- Forcing screw and Pullers have powerful 1 1/8" diameter x 11 threads for years of reliable service
- Includes two pullers to cover large and small dual wheel applications
- Components have black oxide or bright nickel-plating finish for rust and corrosion resistance
- Use with air impact wrench
- Components are laser-etched for easy identification
- Comes in a sturdy, compact, easy-to-store case; 6.5" x 9.5" x 2.5", 5.3 lbs
- Proudly Made in USA
- Limited lifetime warranty

Dual Wheel Separator Demo Video

SPC **34549**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

12 PC. TORQUEMASTER™ TORQUE SOCKET KIT

Tighten lug nuts to factory specifications. Color and letter coded for quick size and torque reference.

SPC **30190**

Contents

Item No.	Description	Code Letter	Torque Limit
SPC **30181**	Brown	(A)	100 ft-lbs
SPC **30182**	Orange	(B)	80 ft-lbs
SPC **30183**	Gray	(C)	100 ft-lbs
SPC **30184**	Black	(D)	60 ft-lbs
SPC **30185**	Blue	(E)	80 ft-lbs
SPC **30186**	Yellow	(F)	65 ft-lbs
SPC **30187**	Red	(G)	80 ft-lbs
SPC **30188**	Dark Green	(H)	45 ft-lbs
SPC **30189**	White	(I)	120 ft-lbs
SPC **30200**	Aqua	(Q)	140 ft-lbs
SPC **30202**	Navy Blue	(Y)	100 ft-lbs
SPC **30213**	Gold	(NN)	90 ft-lbs

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

4 PC. TORQUEMASTER™ TORQUE STICK SET FOR SUVS

Most popular sizes for largest growing market. For domestic and foreign SUVs. Tighten lug nuts to factory specifications. Color and letter coded for quick size and torque reference. Weight 4.5 lbs. (2 kg.).

SPC **30175**

Contents

Item No.	Letter Color	Socket Code	Socket Size	Limit
SPC **30181**	Brown	(A)	13/16"	100 ft./lbs.
SPC **30183**	Gray	(C)	19mm	100 ft./lbs.
SPC **30200**	Aqua	(Q)	7/8"	140 ft./lbs.
SPC **30204**	Turquoise	(BB)	21mm	150 ft./lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

10 PC. TORQUEMASTER™ TORQUE SOCKET EXTENSION KIT

Convert your own sockets into torque sockets!

- Designed for use with your own impact sockets
- For foreign and domestic cars and light trucks
- Tighten nuts to factory specifications each time the wheels are replaced
- Color and letter coded for quick size and torque reference
- Converts any impact gun, including those with an extended anvil, into an instant torque wrench by bleeding torque off the impact gun
- Limited lifetime warranty

SPC **30251**

Contents

Item No.	Description	Letter Code	Torque Limit
SPC **30248**	Light Purple	(K)	110 ft-lbs
SPC **30249**	Neon Yellow	(OO)	75 ft-lbs
SPC **30223**	Gray	(C)	100 ft-lbs
SPC **30224**	Black	(D)	60 ft-lbs
SPC **30225**	Blue	(E)	80 ft-lbs
SPC **30226**	Yellow	(F)	65 ft-lbs
SPC **30274**	Gold	(NN)	90 ft-lbs
SPC **30228**	Dark Green	(H)	45 ft-lbs
SPC **30229**	White	(I)	120 ft-lbs
SPC **30220**	Aqua	(Q)	140 ft-lbs
SPC **30199**	Fitment Chart	—	—
—	Instructions	—	—
—	Case	—	—

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

5 PC. TORQUEMASTER™ EXTENSION KIT FOR PASSENGER CARS — 1/2 IN. DRIVE

Extension kit covers many of the most popular late model domestic and foreign cars, light trucks, mini-vans and SUVs. Convert your own sockets into torque sockets. 4 lbs. (1.8 kg).

SPC **30235**

Contents

Item No.	Color	Letter Code	Torque Limit
SPC **30220**	Aqua	(Q)	140 ft./lbs.
SPC **30223**	Gray	(C)	100 ft./lbs.
SPC **30225**	Blue	(E)	80 ft./lbs.
SPC **30226**	Yellow	(F)	65 ft./lbs.
SPC **30229**	White	(I)	120 ft./lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

1/2 IN. DR. UNIVERSAL EMERGENCY WHEEL LOCK REMOVER

Removes wheel locks when the key is lost or misplaced. Tapered socket fits over most car wheel locks. Use soft-faced hammer to drive onto wheel lock. Limited use. Weight 1 lbs. (.5 kg.).

SPC **30161**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

10 PC. SLIM TWIST SOCKET SET WITH EXTERNAL HEX

Quickly removes damaged or rounded nuts, bolts, studs, and socket head cap screws in tight quarters. The through hole design allows them to also be used on long studs. Fits SAE sizes 3/8" to 3/4" and metric sizes from 9mm up to 19mm. Used where standard twist sockets will not fit. Can be used with an open-end wrench, or with a socket.

Item No.	Description
SPC **30271**	10 Pc. Set in Plastic Case

Contents

Item No.	Description
SPC **30271-01**	9mm; ext. hex 5/8" socket
SPC **30271-02**	10mm, 3/8"; ext. hex 5/8" socket
SPC **30271-03**	11mm, 7/16"; ext. hex 11/16" socket
SPC **30271-04**	12mm; ext. hex 3/4" socket
SPC **30271-05**	13mm, 1/2" ext. hex 3/4" socket
SPC **30271-06**	14mm, 9/16" ext. hex 13/16" socket
SPC **30271-07**	15mm; ext. hex 7/8" socket
SPC **30271-08**	16mm, 5/8"; ext. hex 15/16" socket
SPC **30271-09**	17mm, 11/16" ext. hex 1" socket
SPC **30271-10**	19mm, 3/4" ext. hex 1 1/16" socket

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

5 PC. 1/2 IN. DR. THIN-WALL FLIP SOCKET SET

One end is a standard 6-point socket for everyday use. Flip socket, over and you have a 6-point socket of larger size. 2.1 lbs. (1 kg).

Socket sizes:

- 19 mm-21 mm socket
- 17 mm-19 mm socket
- 3/4"-13/16" socket
- 7/8"-15/16" socket
- 3" extension

SPC **30119**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

3 PC. 1/2 IN. DR. THIN WALL FLIP IMPACT SOCKET SET

One end is a standard 6-point socket for everyday use. Flip socket over and you have a 6-point socket of larger size. Drive 1/2". Weight 1.2 lbs. (.54 kg.)

Socket sizes:

- 19mm-21mm socket
- 3/4"-13/16" socket
- 3" extension

SPC **30110**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

HEAVY-DUTY IMPACT SOCKETS

Special Purpose Impact Sockets Off-Road Budd, Square, SAE, and Metric

Special 1 1/2" hex deep heavy-duty impact socket designed for outer cap nuts on Budd-style truck wheels. The 1 1/2" hex depth is limited to help prevent socket contact with the wheel. The socket is deep style to eliminate contact with the inner cap nut.

SPC **30120**

Item No.	Description	Drive	Weight
SPC **30120**	13/16" sq.	3/4"	1.4 lbs. (.6 kg)
SPC **30149**	13/16" sq.	1"	1.4 lbs. (.6 kg)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

DEEP, THIN-WALL FLIP IMPACT SOCKETS

Black, 1/2" square drive, square impact socket is deep and thin walled to reach areas conventional sockets will not. Flip socket provides two socket sizes which cover virtually all SAE automotive wheel lug sizes. Imported.

SPC **30156** *SPC* **30158**

Item No.	Socket Sizes	Drive	Weight
SPC **30156**	3/4", 13/16"	1/2" sq.	.4 lbs. (.18 kg.)
SPC **30158**	19 mm, 21 mm	1/2" sq.	.4 lbs. (.18 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

COMBINATION BUDD WHEEL IMPACT SOCKETS - SAE & METRIC

SPC **30121**

Item No.	Description	Drive	Weight
SPC **30121**	1 1/2" x 13/16" sq.	3/4"	3.1 lbs. (1.4 kg)
SPC **30150**	1 1/2" x 13/16" sq.	1"	3.1 lbs. (1.4 kg)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

DEEP LENGTH IMPACT SOCKETS - SAE & METRIC

SPC **30356**

Item No.	Description	Drive	Weight
SPC **30356**	33 mm deep	6 pt., 3/4"	1.6 lbs. (.7 kg)
SPC **30366**	33 mm deep	6 pt., 1"	1.6 lbs. (.7 kg)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

TIRE CHANGERS

Torque Sockets

TurboSocket

TURBOSOCKET "FLIP" SOCKET WHEEL REMOVAL KIT

The TurboSocket "Flip" Socket Wheel Removal Kit can be used to remove damaged (rusted, rounded-off or stripped) lug nuts, wheel bolts or hex wheel fasteners on most vehicles. The two-sided "Flip" sockets fits both 3/4 in. / 19mm and 13/16 in. / 21mm. Use with 1/2 in. ratchet or breaker bar.

- Includes Knock-Out Pin
- Works on most vehicles
- Made in USA with American Drawn Steel
- Black Oxide

BK **TSDE5001B**

TurboSocket

TURBOSOCKET TWO SOCKET WHEEL REMOVAL KIT

The TurboSocket Two Socket Wheel Removal Kit can be used to remove damaged (rusted, rounded-off or stripped) lug nuts, wheel bolts or hex when fasteners on most vehicles. The two-socket kit features two 2-sided Flip sockets. One socket fits 3/4 in. / 19mm and 13/16 in. / 21mm and the second socket fits 7/8 in. / 22mm and 15/16in. / 24mm. Both can be used with a 1/2 in. ratchet or breaker bar.

- Includes knock-out pin
- Works on most vehicles
- Made in USA with American drawn steel
- Chrome Molybdenum Steel

BK **TSDE5002B**

TurboSocket

TURBOSOCKET 6 PC. DEEP WELL METRIC WHEEL REMOVAL SET

The TurboSocket Deep Well Metric Wheel Removal Set features six low profile thin wall sockets for removal of damaged (rusted, rounded-off or stripped) lug nuts, wheel bolts and hex wheel fasteners on most vehicles. The Six Socket Metric Set includes 17mm, 18mm, 19mm, 20mm, 21mm and 22mm sockets. All can be used with a ½ in. ratchet or breaker bar.

- Includes Knock-Out Pin
- Works on most vehicles
- Made in USA with American drawn steel
- Chrome Molybdenum Steel
- Black Oxide finish

BK **TSDE5006B**

EVERCRAFT

5 PC. 1/2 IN. DR. THIN WALL IMPACT SOCKETS

Protective sleeves and plastic inserts prevent scratching of wheels and lug nuts while the hollow design allows room for removing longer bolts. Color coded for easy identification. 1/2 In. drive 6 pt. sockets. 17 mm, 19 mm (3/4 in.), 21 mm, 13/16 in., 7/8 in. sockets in a blow molded case.

BK **776-0021**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

SAE MET

1/2 IN. DR. 6 PT. WHEEL PROTECTOR IMPACT SOCKETS & SET

Item No.	Description	*NPT* 61-0331 9 Pc. Set
NPT **61-8624**	3/4"	•
NPT **61-8626**	13/16"	•
NPT **61-8628**	7/8"	•
NPT **61-8630**	15/16"	•
NPT **61-8632**	1"	•
NPT **61-8634**	1 1/16"	•
NPT **61-8617**	17mm	•
NPT **61-8619**	19mm	•
NPT **61-8621**	21mm	•

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

QUICK CHANGE WHEEL STUD CLEANER KIT

Quick change wheel stud cleaner kit allows for quick and easy stud cleaning. Multiple brush sizes make it easy to change to fit the user's needs.

- Designed to be used with a cordless drill
- Brush sizes: 7/16", 1/2", 9/16", 5/8" and 1/18"
- Comes with 1/2" D adapter

SER **16**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WHEEL STUD INSTALLER KIT WITH RETHREADERS

Wheel stud installer kit is used for installing button head wheel studs. The patented installer pulls the stud into the drive flange, or hub without damaging the threads.

- Assures correct installation of wheel studs
- No more ruined studs or lug nuts

Includes installers, washer, spacer and corresponding rethreader dies

SER **802**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

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CARLYLE TOOLS by NAPA

WHEEL HUB RESURFACING KIT

- Prevents brake rotor warp by cleaning hub area where disc rotor rusted.
- Each sand pad cleans approximately 4 to 8 hubs.
- Do not use with die grinder or high-speed air drill.
- Removes rust from hub surfaces and lug nuts.
- Resurfaces most domestic and import vehicles front or rear disc brakes.

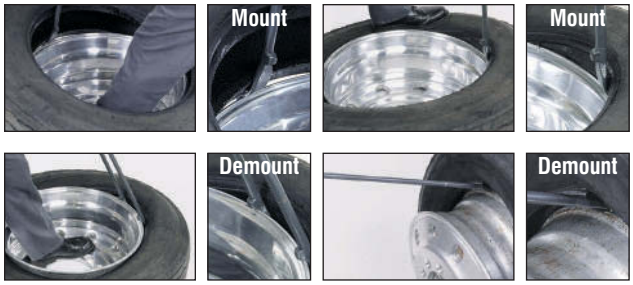
SER **332**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

SPC **34644**

SPC **34645C**



STANDARD & HEAVY-DUTY TUBELESS TRUCK TIRE MOUNT/DEMOUNT IRONS

Ken-Tool manufactures the largest and most diverse selection of tire mount/demount irons in the world. Ken-Tool makes a tire iron for all your tire changing needs. Use on truck, agricultural, and industrial tires. One-piece manufacturing process and design assures long life and superior performance. Heat treated for strength. Three sizes for many service needs. Use in pairs. Design allows for less effort, provides excellent wheel/rim surface contact area for less side-to-side movement. Improved blade and knob design. Tip on one end for grabbing the rim. Ken-Tool's original design offers one piece construction, and assures long life for applications.

Item No.	Length	Stock	Weight
SPC **34644**	37" (94 cm)	3/4" (19 mm)	5 lbs. (2.2 kg.)
SPC **34645**	37" (94 cm)	3/4" (19 mm)	4.6 lbs. (2.1 kg.)
SPC **34645C**	37" (94 cm)	3/4" (19 mm)	4.6 lbs. (2.1 kg.)
SPC **34647**	41" (104 cm)	7/8" (22 mm)	7 lbs. (3.2 kg.)
SPC **34847**	52" (132 cm)	1" (25 mm)	11 lbs. (5.0 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

T45AS SUPER DUTY TUBELESS TRUCK TIRE IRON

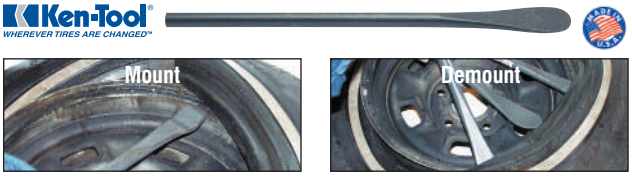
Combines the 52" length of Ken-Tool's popular T47A with the 7/8" stock size of the T45HD tire tools, while using the industry recognized bead- and user-friendly rounded ends found on the T45A.

- 52" length provides up to 40% greater leverage than the T45A, T45AC or T45HD
- Lighter weight – Weighs 20% less than the T47A tools
- Precision forged ends, heat treated throughout for a tough, slip-free grip on the rim and bead
- Like other tools in the T45 family, the angled tip easily slips between bead and rim and helps to prevent cutting or ripping the bead or sidewall
- The mount end's unique, trademarked curve design always grabs the bead edge
- 7/8" shaft for strength and durability; value priced
- Made in USA

SPC **34649**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool® WHEREVER TIRES ARE CHANGED™



STRAIGHT TIRE MOUNT/DEMOUNT SPOONS

These tools are designed for fast and efficient tire changing. Use the 18" and 24" spoons to mount or demount passenger car, motorcycle, ATV, and light truck tires. The 30" spoons provide enough strength and leverage to work on large truck, bus, off-road vehicle, tractor, and aircraft tires.

Item No.	Length	Stock	Weight
SPC **32101**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)
SPC **32119**	24" (61 cm)	11/16" (17.5 mm)	2.5 lbs. (1.1 kg.)
SPC **33219**	30" (76 cm)	11/16" (17.5 mm)	3 lbs. (1.4 kg.)
SPC **33238**	30" (76 cm)	7/8" (22 mm)	4.8 lbs. (2.2 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

DROP-CENTER MOUNT/DEMOUNT SPOONS

Item No.	Length	Stock	Weight
SPC **32121**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)
SPC **34121**	24" (61 cm)	11/16" (17.5 mm)	2.5 lbs. (1.1 kg.)
SPC **34122**	30" (76 cm)	7/8" (22 mm)	4.5 lbs. (2.0 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

CURVED MOUNT/DEMOUNT SPOONS

Item No.	Length	Stock	Weight
SPC **32102**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)
SPC **32120**	24" (61 cm)	11/16" (17.5 mm)	2.4 lbs. (1.1 kg.)
SPC **33220**	30" (76 cm)	11/16" (17.5 mm)	3.1 lbs. (1.4 kg.)
SPC **33239**	30" (76 cm)	7/8" (22 mm)	4.5 lbs. (2.0 kg.)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

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TIRE CHANGERS

Subhead

Ken-Tool®
WHEREVER TIRES ARE CHANGED™

HEAVY-DUTY TIRE HAMMERS

Hammers are used for mounting and demounting tires. They make tire changing faster and easier for passenger car, truck, bus, farm tractor, and aircraft tires. A variety of weights and sizes are offered to meet all your tire changing needs. Non-marring rubber end can be used for driving on lock rings. Use rubber head replacement *SPC* **35105**.

SPC **35321** *SPC* **35323** *SPC* **35325**

WOODEN HANDLED

Item No.	Handle Item No.	Length	Head Weight	Weight
SPC **35321**	*SPC* **35119**	17" 43 cm	4.8 lbs. 2.2 kg.	5.4 lbs. 2.4 kg.
SPC **35323**	*SPC* **35119**	16½" 42 cm	5.5 lbs. 2.5 kg.	6.1 lbs. 2.7 kg.
SPC **35325**	*SPC* **35119**	16½" 42 cm	5.8 lbs. 2.6 kg.	5.3 lbs. 2.4 kg.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SPC **35421** *SPC* **35425** *SPC* **35423**

FIBERGLASS HANDLED

Item No.	Handle Item No.	Length	Head Weight	Weight
SPC **35421**	*SPC* **35219**	18" 46 cm	5.5 lbs. 2.5 kg.	6 lbs. 2.7 kg.
SPC **35423**	*SPC* **35219**	18" 46 cm	4.8 lbs. 2.2 kg.	6.6 lbs. 3.0 kg.
SPC **35425**	*SPC* **35219**	18" 46 cm	5.8 lbs. 2.6 kg.	6 lbs. 2.7 kg.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

REPLACEMENT RUBBER HEADS

Item No.	Description
SPC **35104**	For: *SPC* **35317**, *SPC* **35417**
SPC **35105**	For: *SPC* **35321**, *SPC* **35323**, *SPC* **35325**, *SPC* **35421**, *SPC* **35423**, *SPC* **35425**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SPC **35129**

REPLACEMENT HANDLES

Top-quality U.S. hickory Replacement Handles.

Item No.	For Hammer	Length	Weight
SPC **35111**	*SPC* **35311**	15" (38 cm)	.75 lbs. (.3 kg.)
SPC **35113**	*SPC* **35313**, *SPC* **35317**	15" (38 cm)	.75 lbs. (.2 kg.)
SPC **35119**	*SPC***35319**, *SPC* **35321**, *SPC* **35323**, *SPC* **35325**	17" (43 cm)	.75 lbs. (.3 kg.)
SPC **35127**	*SPC* **35327**	17" (43 cm)	.75 lbs. (.3 kg.)
SPC **35129**	*SPC* **35329**	30" (76 cm)	1.2 lbs. (.5 kg.)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SPC **35231**

FIBERGLASS REPLACEMENT HANDLES

Item No.	For Hammer	Length	Weight
SPC **32506**	*SPC* **35413**, *SPC* **35417**	16" (41 cm)	1 lbs. (.5 kg.)
SPC **35211**	*SPC* **35411**	16" (41 cm)	1.3 lbs.
SPC **35219**	*SPC* **35419**, *SPC* **35421**, *SPC* **35423**, *SPC* **35425**	18" (46 cm)	2.5 lbs. (1.1kg.)
SPC **35227***	*SPC* **35427**	18" (46 cm)	1.2 lbs. (.5 kg.)
SPC **35229***	*SPC* **35429**	32" (81 cm)	2.3 lbs. (1.0 kg.)

***Nulok adapter (others use epoxy).**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

TIRE KNOCKER

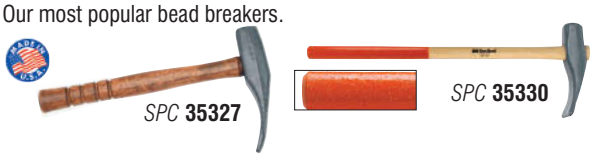
Top grade U.S. hickory.

Item No.	Length	Weight
SPC **35110**	18" (46 cm)	.7 lbs. (.3 kg)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DUCK-BILLED BEAD BREAKING WEDGES

Our most popular bead breakers.



SPC **35327** *SPC* **35330**

WOODEN HANDLED

Increased contact area between the handle and the hammer head causes the handle to have a tighter fit when the head is seated on the handle. By increasing end-taper of the handle the hammer head cannot come off the end of the handle. No slits in the top of the handle minimizes the effect of Humidity/Climate (expansion & contraction) on the handle.

New T11ES (*SPC* **35330**) orange safety grip handle. Specially formulated granulated handle coating provides extra grip for sure control of the steel bead breaking wedge.

Item No.	For Hammer	Length	Weight
SPC **35327**	*SPC* **35127**	17" (43 cm)	4.8 lbs. (2.2 kg.)
SPC **35329**	*SPC* **35129**	30" (76 cm)	9.2 lbs. (4.2 kg.)
SPC **35330**	*SPC* **35131**	30" (76 cm)	9.2 lbs. (4.2 kg.)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SPC **35429**

FIBERGLASS HANDLED

Item No.	Handle Item No.	Length	Head Weight
SPC **35427**	*SPC* **35227**	18" (46 cm)	4.8 lbs. (2.2 kg.)
SPC **35429**	*SPC* **35229**	32" (81 cm)	9.1 lbs. (4.1 kg.)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ken-Tool
WHEREVER TIRES ARE CHANGED™

MEGA AIR BLAST BEAD SEATING TOOL

- Use on ATVs, autos, light and heavy-duty trucks, plus Ag tractor tires
- Designed for use on tires up to 24½" diameter
- A heavy-duty ball valve quickly releases air between the bead and the rim
- Digital air pressure gauge and a safety release valve are included for operator convenience and safety
- ASME-UM certified 5-gallon tank

SPC **31444**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

ALUMINUM PUSH BUTTON MEGA AIR BLAST BEAD SEATING TOOL

- Use on ATVs, autos, light and heavy-duty trucks, plus Ag tractor tires
- Designed for use on tires up to 24½" diameter
- A heavy-duty ball valve quickly releases air between the bead and the rim
- Digital air pressure gauge and a safety release valve are included for operator convenience and safety
- CME certified 5-gallon tank
- Weighs only 11.5 lbs

SPC **31445**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

NAPA

BEAD SEATING TOOL

5-gallon bead seating tool is designed for use on large truck, passenger and ATV tires up to 24½". ASME certified tank can be filled from any service station chuck or service truck air compressor.

NTH **90-403**

NAPA

AUTOMATIC BEAD SEATING TOOL

5-gallon bead seating tool is designed for use on auto, ATV and truck tires up to 24½". ASME certified tank features automatic valve design for safer, faster, and easier air release operation.

NTH **90-404**

NAPA

RUGLYDE® RUBBER TIRE LUBRICANT

Ideal for use when mounting/dismounting tires, or cleaning and lubricating other rubber parts.

Item No.	Description
BK **765-1338**	1 Gallon
BK **827-2511**	5 Gallon
BK **827-2532**	50 Gallon
BK **710-1196**	Applicator

⚠ **WARNING:**(*BK* **765-1338**, *BK* **827-2511**, *BK* **827-2532**) **Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAPA

RU-GLYDE® TIRE MOUNTING PASTE – 8 LBS.

Ru-Glyde® Tire Mounting Paste requires no mixing and is easy to apply with a brush. It's a stable blend of specialty soaps, corrosion inhibitors, preservatives, solvents and water that is designed for direct application. It will not cause tires to soften or swell and is water-soluble. Great for use on all-terrain and large commercial vehicles.

- Dries quickly after mounting, leaving no residue
- Does not contain petroleum, amines, phosphates or harsh chemicals
- Contains a rust inhibitor for rim protection
- Extra slippery to help mount tires with stiff beads

BK **710-0000**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

TIRE LUBRICANT & RIM RUST RETARDANT

Tire lubricant and rim rust retardant is ideal for use on steel and aluminum wheels.

- Lubricates rim for easy tire mounting and demounting
- Prevents tires from fusing to rim
- Helps prevent corrosion of rims and rings
- Made in USA

BK **710-0021**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EURO-PASTE MOUNTING COMPOUND

Euro-Paste mounting compound with rust inhibitors makes mounting and demounting tires easier.

- Protects tire beads from damage
- Helps beads to seat properly
- Environmentally friendly, non-toxic

BK **710-0019**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

TIRE CHANGERS

Tire Lubricants

NO RIM RUST® PREMA TIRE LUBRICANT & RIM RUST RETARDANT

Tire lubricant and rim rust retardant is ideal for use on steel and aluminum wheels.

- Lubricates rim for easy tire mounting and demounting
- Prevents tires from fusing to rim
- Helps prevent corrosion of rims and rings
- 4.5 lb. tub

BK **710-0020**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

HEAVY PASTE LUBE

Concentrated economical tire mounting and bead packing lubricant, makes up to 15-gallons. 25-lb pail.

SPC **35840**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

ULTRA LUBE

Premium rim and rust retardant and tire mounting lubricant for demanding applications. 25-lb pail.

SPC **35839**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

TIGER PASTE LUBRICANT

Superior formulation for commercial, OTR and specialty equipment tires, with rust inhibitor. 7.5-lb bucket.

SPC **35837**

⚠ **WARNING: Cancer and Reproductive Harm - P65Warnings.ca.gov**

www.

Ken-Tool
WHEREVER TIRES ARE CHANGED™

WHITE TIRE PASTE LUBRICANT

Premium tire mounting lubricant dries tacky to prevent rim slippage, with rust retardant. 8-lb bucket.

SPC **35848**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

-

Ken-Tool
WHEREVER TIRES ARE CHANGED™

BEAD-EZE® LUBE

Penetrating water-based lubricant for tire mounting, can be diluted for leak detection.

SPC **35847** 1-gal., 6-pack
SPC **35847S** 1-gal. single

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

-

Ken-Tool
WHEREVER TIRES ARE CHANGED™

DETECTO MIST® LEAK LOCATOR

Spray on tire to instantly detect air leaks, concentrated formula dilutes with water . 1-qt.

SPC **35805**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

BEAD LUBRICANT SWAB

Durable cotton applicator quickly holds and applies lube, twisted wire construction and wood handle. 10" long.

SPC **30511**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

EURO-PASTE ANGLED APPLICATION BRUSH

Mounting paste application brush features an angled head, making applying paste quick and easy.

BK **710-0022**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

EURO-STYLE LUBE APPLICATOR BRUSH

Designed to the ideal angel to fit between the bead and the rim. Imported.

SPC **30512**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Coats

EL-X EXPRESS LANE INFLATION SYSTEM

The tire inflation cage provides up to 20% time savings on a four-tire exchange vs. the conventional inflation process.

CTC **ELX**

TIRE & TUBE TEST TANK

Durable plastic tank is constructed of rugged, heavy-duty polyethylene, which resists rust, dents and mild chemicals. Features reinforced ribs for extra support, and a lip which doubles as a splash guard and carrying handle. Accommodates passenger-size, wide oval and light-duty truck tires. Punctures are easy to spot against black plastic tank. Dimensions: 31" x 12" x 12".

BK **817-1065**

LARGE TIRE TUBE TEST TANK

- Durable plastic tank for testing tubes and tires
- Reinforcement ribs for extra support
- Will handle passenger tire sizes to wide oval and light duty truck tires
- 17" H x 35" L x 15.5" W

BK **817-1067**

JohnDow Industries

TIRE TAXI

Designed for transporting car, light truck and SUV tires and wheels

- Transport five (5) tire and wheel assemblies or eight (8) tires
- Built-in locking casters
- Easy to move with 360° rotation
- Max. load of 265 lbs.

Item No.	Description
BK **776-3891**	Tire Taxi
BK **776-3893**	(6) pack of *BK* **776-3891** Tire Taxi

JohnDow Industries

TIRE TAXI EX

The Tire Taxi EX is an extended version of the original Tire Taxi. Designed to create a more ergonomic working height, the Tire Taxi EX has four legs that extend the overall height to 23 inches.

- Helps to improve work posture
- Avoids unnecessary lifting
- Reduces strain on back, knees and shoulders
- Max. load of 265 lbs.

BK **776-3892**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

PROFESSIONAL CHROME LUG NUT COVER REMOVER

Special coating will not scratch or damage chrome, painted, or coated lug nut covers. 1.3 lbs. (.6 kg.)

SPC **30606**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Coats® Wheel Balancers & Accessories 750-751
Hofmann® Wheel Balancers..... 752
Tire Balancing Beads 755
Wheel Weight Tools 753-754

WHEEL BALANCERS

Coats® Wheel Balancers & Accessories

885 WHEEL BALANCER
- Automatic Wheel Data Entry
- Direct Tape-A-Weight Placement
- Auto Start Hood
- 110V
- Small Footprint

CTC **885**

COATS® 1185 WHEEL BALANCER
- Color LCD Video Display
- Laser Weight Placement Guidance
- Live Position Indexing Guidance
- 110V Power - plug in anywhere
- Space saving design
- Auto Start Hood

CTC **1185**

CTC **15003DA**

1500 WHEEL BALANCER
- Powered by Direct Drive
- Static-On-Screen®
- Laser guided operation
- Automatic 3-D data entry
- Stop and lock inverter technology
- Double sided collets included

Item No.	Description
CTC **15003DA**	1 Phase, 220V
CTC **15003DB**	3 Phase, 220V

CTC **16003DA**

1600 WHEEL BALANCER
- Powered by Direct Drive
- ProBalance TechnologyTM
- Laser guided operation
- Automatic 3-D data entry
- Stop and lock inverter technology
- Touchscreen
- Double sided collets included

Item No.	Description
CTC **16003DA**	1 Phase, 220V
CTC **16003DB**	3 Phase, 220V

DOUBLE SIDED COLLETS (SET OF 8)
The double sided collets are designed with a low angle, providing the technician with a durable and precise mounting method that replicates the mounting of the wheel on the vehicle.

CTC **5609499**

ADJUSTABLE PIN PLATES
The adjustable pin plates offer one, reliable system when balancing wheels, allowing the technician the precision to achieve the ideal performance balance.

CTC **5610104**

VIPER BACK CONE SPACER
Use with the Coats® *CTC* **112101** (40mm) for accurate back cone mounting of wheels with centers up to 5" in diameter

Item No.	Description
CTC **111935**	Not for use on 775/875/1175

IMPROVED LIGHT TRUCK FRONT CONE KITS
- Solid metal backing plate - 7.91" O.D.
- Double Sided Cone - Range: 4.80"-6.80"
- Available in 28mm & 40mm I.D.
- Components available separately

Item No.	Description
CTC **113277C**	Front Cone Kit 40mm I.D.

QUICK NUT
Binary thread engagement stays fully open during installation, eliminating wear from dragging the teeth across the balancer's threaded shaft.

CTC **5607503**

PREMIUM HUB NUT
Forged steel hub nut with bearings

CTC **5610908**

HUB NUT
40mm / 8mm pitch manual hub nut

CTC **112103**

NO MAR RING
40mm No Mar Ring used with fixed or Adjustable Pin Plates

CTC **5608312**

Coats® Wheel Balancers & Accessories

CTC **112421**

CTC **1141821**

CTC **1136871**

TIRE SERVICE - BALANCING ACCESSORIES

Description	40mm Item No.
Cone, medium - 1.75" - 2.25" center holes	*CTC* **112098**
Cone, medium - 2.25" - 3.00" center holes (3 cone system)	*CTC* **112099**
Cone, large - range: 3.00" - 3.60" center holes	*CTC* **112100**
Cone, light truck, range: 3.37" - 5.250"	*CTC* **112101**
Spring (3 cone system)	*CTC* **112107**
Short cone, balancer, 1.125" I.D., Range 2.540" - 3.025"	*CTC* **112421**
Drum - small pressure - 4.625" diameter	*CTC* **112106**
Hub nut handle - replacement hub nut for standard coarse thread shaft.	*CTC* **112103**
Alu-Cup pressure cup - extra large - for alloy wheels, 8.375" O.D.	*CTC* **113309**
Light truck back cone	—
Rubber lip, replacement ring for Alu-Cup No. *CTC* **8111518** & *CTC* **8112382**	*CTC* **113310**
Cone, Ultra low angle for F-150s	*CTC* **1141821**
Cone, Back, Light Truck for XR-Series Balancers	*CTC* **1136871**

WHEEL LIFT

The Coats® 575 Wheel Lift offers reliable lift capability for the Coats® 6450 Wheel Balancer, and the Coats® 6401 balancer (with optional connection *CTC* **85608066**.)

- 500 lb capacity
- Air Operated
- Bolts to 6450 balancers for exact alignment (requires *CTC* **85608066** connector to attach to model 6401 Balancers)
- Wide platform to support the largest wheels that can fit on the balancer
- Full frame base for superior stability
- Carriage design like a two post vehicle lift for durability
- Extra adapter storage where the operator needs it
- Controls are on the front of the lift for minimal operator travel

CTC **575**

525 WHEEL LIFT

The Coats® 525 Wheel Lift helps you elevate heavy tire and wheel assemblies up to the appropriate height with minimal effort. This lift system reduces operator fatigue and the potential for expensive wheel damage, while providing a sliding platform for easy operation and smooth, air-powered scissor lift action. The 525 Wheel Lift is compatible with all 1300, 1400, 1500 and 1600 Direct Drive wheel balancers.

CTC **800525**

3D LED HEAVY-DUTY WHEEL BALANCER

Bar None, the Best Heavy-Duty 3D LED Balancer in the Business

- Auto data entry for all three parameters with one touch. Just drop the hood and go
- Powerful 1.5 HP direct drive motor shaves 20 seconds off a typical 22.5" spin
- Static on screen provides simultaneous display of static, dynamic data, and identifies any excess residual static imbalance
- Stop and lock rotates the wheel to the first weight position and hold it until the weight is installed
- Auto indexing automatically moves the wheel to the second weight position and holds again
- 500 lbs. Meet Lab/UL approved
- Designed for front line, high volume balancing
- Easy to read LED readouts

Specifications

Drive System: ..... Direct
Tire Diameter: ..... 52"
Rim Width: ..... 20"
Maximum Tire Weight: ..... 500 lbs. (UL)
Auto Data Entry: ..... 3 Parameter
Stop On Top: ..... Stop & Lock
Auto Indexing: ..... Yes
Motor Size: ..... 1.5 hp Direct
Cycle Time: ..... R11 22.5 (200 lbs.) 18 sec.
Cones: ..... 2 Auto, 2 light Truck
Ounce/Gram Selectable: ..... Yes
Balancing Modes: 11
Shaft Diameter: ..... 2" (51mm)
Shipping Weight: ..... 1,100 lbs.

Item No.	Description
CTC **6450-3D-LEA**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/1P
CTC **6450-3D-LEB**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/3P
CTC **6450-2D-LEA**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/1P
CTC **6450-2D-LEB**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/3P
CTC **575**	Wheel Lift
CTC **109877**	Cone Kit, Fits Center holes 8.52" through 8.89"
CTC **110785**	Dayton Wheel Adapter, Fits 20" and 22.5" Dayton: Style Rims
CTC **110786**	Dayton Extension Adapter, Extends above to 22" and 24.5"
CTC **143935**	Large Budd Wheel Adapter, Fits Most Stud Centered Budd 8 and 10 Lug

INDEX

HOFMANN

POWER CLAMP

Clamps the wheel with a secure and consistent force, providing better handling when balancing

geodyna® 9000P

Diagnostic Wheel Balancer with Touch Screen and 3D Camera Technology

The 9000P is an automated diagnostic wheel balancing system that offers touchless measurement and analysis. Automatic inputs remove the chance for error and inaccurate results. When combined with precise wheel balancing, the Runout Force Vectoring (RFV) diagnostics assure uniformity based total ride quality.

Power Requirements: 230V, 1Ph, 60Hz

HOF **EEWB771AP230**

geodyna® 7200S WHEEL BALANCING SYSTEM

Wheel Balancer with LCD Monitor

The Hofmann® geodyna® 7200S High Performance Wheel Balancing System is ideal for all shops - small footprint complimented by the video display provides high-end features in a compact design. In under ten seconds, the color display shows the location of any imbalance and identifies the optimal tape on or clip-on weight location. The fast spin cycle provides accurate measurement with minimum cycles for fast results.

Power Requirements : 115V, 1Ph, 60Hz

HOF **EEWB746AS**

geodyna® 7800P WHEEL BALANCING SYSTEM

Wheel Balancer with Touchscreen Monitor and Non-Contact Data Entry

The Hofmann® geodyna® 7800P wheel balancing system is highly productive, intuitive, effortless and ergonomic making this system the ideal solution for high-volume workshops.

Power Requirements: 230V, 1Ph,60Hz

HOF **EEWB753BE8**

geodyna® 7100 WHEEL BALANCING SYSTEM

Wheel Balancer with Digital Display

The geodyna® 7100 offers space-saving usability, with belt-driven one-spin balance, the VPI measuring system, user-friendly 2D SAPE data entry and an intuitive control panel.

Power Requirements: 115V, 1Ph, 60Hz

HOF **EEWB761AE1**

geodyna® 7600P WHEEL BALANCING SYSTEM

Wheel Balancer with Touchscreen Monitor

The Hofmann® geodyna® 7600 series of wheel balancing systems are designed for professional tire stores, car dealerships and multi-bay repair shops.

Power Requirements: 115V, 1Ph, 60Hz

HOF **EEWB765AP**

geodyna® 980L HEAVY-DUTY WHEEL BALANCER

Heavy-Duty Wheel Balancer

- Pneumatic wheel lift - No heavy lifting!
- Wheel adapters for most applications
- Semi-Automatic Parameter Entry of wheel Distance and Diameter
- Self-calibration by operator ensures accuracy while saving costly service calls

Power Requirements: 115V, 1Ph, 60Hz

HOF **EEWB710DW**

NAPA WHEEL WEIGHTS

RIM PROFILE GAUGE

The NAPA® rim gauge takes the guesswork out of making the right weight choice every time. If an aftermarket wheel has been installed, simply fit the color-coded rim gauge to the flange to find the correct weight style to use.

NWW **200001**

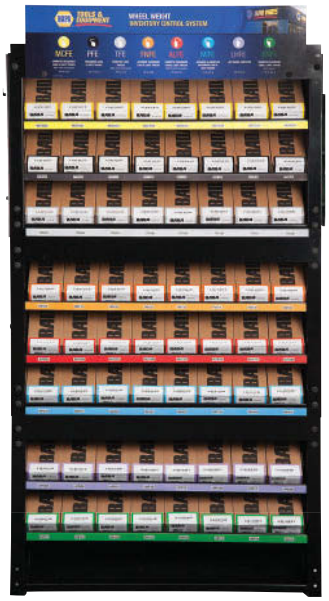
Item No.	Description
NWW **200001**	Passenger Car & Light Truck Rim Gauge

SAVE TIME
Daily delivery, often in an hour or less

SAVE MONEY
Take advantage of competitive pricing

REDUCE INVENTORY
Order what you need, when you need it

EASY ORDERING
Through PROLink – Just point and click



THE NAPA® ADVANTAGE WHEEL WEIGHT SYSTEM

Never Out. Never Over.

The NAPA Advantage Wheel Weight System helps you save space, eliminate the overstocked supply closet, and manage inventory so you never run out and never run over.

NWW **WWSL8SU**

WHEEL WEIGHTS: PASSENGER CARS & LIGHT TRUCKS

PASSENGER CARS & LIGHT TRUCKS

.25 to 3 oz.

PFE Coated Steel	Oz	PFE Coated Steel	Oz
NWW **PFE025SU**	.25	*NWW* **PFE175SU**	1.75
NWW **PFE050SU**	.50	*NWW* **PFE200SU**	2.00
NWW **PFE075SU**	.75	*NWW* **PFE225SU**	2.25
NWW **PFE100SU**	1.00	*NWW* **PFE250SU**	2.50
NWW **PFE125SU**	1.25	*NWW* **PFE275SU**	2.75
NWW **PFE150SU**	1.50	*NWW* **PFE300SU**	3.00

DOMESTIC PASSENGER CARS & LIGHT TRUCKS

(GM, Ford & Chrysler).25 to 3 oz.

MCFE Coated Lead	Oz.	MCFE Coated Lead	Oz.
NWW **MCFE025SU**	.25	*NWW* **MCFE175SU**	1.75
NWW **MCFE050SU**	.50	*NWW* **MCFE200SU**	2.00
NWW **MCFE075SU**	.75	*NWW* **MCFE225SU**	2.25
NWW **MCFE100SU**	1.00	*NWW* **MCFE250SU**	2.50
NWW **MCFE125SU**	1.25	*NWW* **MCFE275SU**	2.75
NWW **MCFE150SU**	1.50	*NWW* **MCFE300SU**	3.00

DOMESTIC PASSENGER CARS & LIGHT TRUCKS

(GM, Ford & Chrysler) .25 to 3 oz.

ALFE Coated Steel	Oz.	ALFE Coated Steel	Oz.
NWW **ALFE025SU**	.25	*NWW* **ALFE175SU**	1.75
NWW **ALFE050SU**	.50	*NWW* **ALFE200SU**	2.00
NWW **ALFE075SU**	.75	*NWW* **ALFE225SU**	2.25
NWW **ALFE100SU**	1.00	*NWW* **ALFE250SU**	2.50
NWW **ALFE125SU**	1.25	*NWW* **ALFE275SU**	2.75
NWW **ALFE150SU**	1.50	*NWW* **ALFE300SU**	3.00

DOMESTIC LIGHT TRUCKS

(GM, Ford, & Chrysler) .25 to 3 oz.

TFE Coated Steel	Oz.	TFE Coated Steel	Oz.
NWW **TFE025SU**	.25	*NWW* **TFE175SU**	1.75
NWW **TFE050SU**	.50	*NWW* **TFE200SU**	2.00
NWW **TFE075SU**	.75	*NWW* **TFE225SU**	2.25
NWW **TFE100SU**	1.00	*NWW* **TFE250SU**	2.50
NWW **TFE125SU**	1.25	*NWW* **TFE275SU**	2.75
NWW **TFE150SU**	1.50	*NWW* **TFE300SU**	3.00

JAPANESE PASSENGER CARS & LIGHT TRUCKS

10g to 60g.

FNFE Coated Steel	Gr.	FNFE Coated Steel	Gr.
NWW **FNFE10SU**	10	*NWW* **FNFE40SU**	40
NWW **FNFE15SU**	15	*NWW* **FNFE45SU**	45
NWW **FNFE20SU**	20	*NWW* **FNFE50SU**	50
NWW **FNFE25SU**	25	*NWW* **FNFE55SU**	55
NWW **FNFE30SU**	30	*NWW* **FNFE60SU**	60
NWW **FNFE35SU**	35		

WHEEL BALANCERS

Wheel Weight Tools

WHEEL WEIGHTS: PASSENGER CARS & LIGHT TRUCKS

NAPA WHEEL WEIGHTS

JAPANESE & EUROPEAN PASSENGER CARS & LIGHT TRUCKS

10g to 60g.

IWFE Coated Steel	Gr.	IWFE Coated Steel	Gr.
NWW **IWFE10SU**	10	*NWW* **IWFE40SU**	40
NWW **IWFE15SU**	15	*NWW* **IWFE45SU**	45
NWW **IWFE20SU**	20	*NWW* **IWFE50SU**	50
NWW **IWFE25SU**	25	*NWW* **IWFE55SU**	55
NWW **IWFE30SU**	30	*NWW* **IWFE60SU**	60
NWW **IWFE35SU**	35		

CHRYSLER

.25 to 3 oz.

LHFE Coated Steel	Oz.	LHFE Coated Steel	Oz.
NWW **LHFE025SU**	.25	*NWW* **LHFE175SU**	1.75
NWW **LHFE050SU**	.50	*NWW* **LHFE200SU**	2.00
NWW **LHFE075SU**	.75	*NWW* **LHFE225SU**	2.25
NWW **LHFE100SU**	1.00	*NWW* **LHFE250SU**	2.50
NWW **LHFE125SU**	1.25		2.75
NWW **LHFE150SU**	1.50		3.00

EUROPEAN PASSENGER CARS & LIGHT TRUCKS

10g to 60g.

ENFE Coated Steel	Gr.	ENFE Coated Steel	Gr.
NWW **ENFE10SU**	10	*NWW* **ENFE40SU**	40
NWW **ENFE15SU**	15	*NWW* **ENFE45SU**	45
NWW **ENFE20SU**	20	*NWW* **ENFE50SU**	50
NWW **ENFE25SU**	25	*NWW* **ENFE55SU**	55
NWW **ENFE30SU**	30	*NWW* **ENFE60SU**	60
NWW **ENFE35SU**	35		

TRUCKS & RVS

Used on both open side (inside flange) and disc side (lug nut-side flange) for ALCOA and Firestone aluminum truck wheels. 5 sizes: 2 to 8 oz.

BTCALFE Coated Steel	Oz.	BTCALFE Coated Steel	Oz.
NWW **BTCALFE200**	2.00	*NWW* **BTCALFE600**	6.00
NWW **BTCALFE300**	3.00	*NWW* **BTCALFE800**	8.00
NWW **BTCALFE400**	4.00		

WHEEL WEIGHTS: TRUCKS & RVS

TRUCKS & RVS

All ¾ and 1-ton trucks with 13", 15", and 16" two-piece rims; 16.5" x 6.00", 6.75", 8.25", and 9.75" tubeless wheels. 10 sizes: .50 to 6 oz.

BTSFE Coated Steel	Oz	BTSFE Coated Steel	Oz
NWW **BTSFE050**	.50	*NWW* **BTSFE300**	3.00
NWW **BTSFE100**	1.00	*NWW* **BTSFE350**	3.50
NWW **BTSFE150**	1.50	*NWW* **BTSFE400**	4.00
NWW **BTSFE200**	2.00	*NWW* **BTSFE500**	5.00
NWW **BTSFE250**	2.50	*NWW* **BTSFE600**	6.00

TRUCKS & RVS

1½ to 2-ton medium-duty trucks and buses with tube type wheels; Firestone wheels R, DT, and LB; Goodyear wheels L, LW, and M. 5 sizes: 2 to 8 oz.

BTLMFE Coated Steel	Oz	BTLMFE Coated Steel	Oz
NWW **BTLMFE200**	2.00	*NWW* **BLTM1000**	10.00
NWW **BTLMFE300**	3.00	*NWW* **BLTM1200**	12.00
NWW **BTLMFE400**	4.00	*NWW* **BLTM1400**	14.00
NWW **BTLMFE600**	6.00	*NWW* **BLTM1600**	16.00
NWW **BTLM-FE800**	8.00		

LOW-PROFILE, STANDARD-LENGTH SEGMENT STEEL WEIGHTS WITH TAPE-ON-TOP

Low profile, premium tape, 2 oz./strip, 30 strips/box, 4 boxes/case. Strip Width: ¾". Depth: ⅛". Length: 5".

Item No.	Description
NWW **7026FEB**	.25 oz. Steel, Tape-On-Top, Black Polycoat, 240 segs

TAPE-A-WEIGHT™ ROLL DISPENSER

This easy to use Tape-A-Weight Roll dispenser holds two full rolls of weights, and is designed for use with all BADA bulk Tape-A-Weight Rolls. Plus it reduces waste, loads easily, and keeps your weights right at the balancer where you need them.

NWW **5310025**

Bulk 10 lb. Rolls

Item No.	Description
NWW **7325FER10**	.25 oz Magni Coated Speed Strip™
NWW **7525FER10**	.25 oz Poly-Coated Speed Strip™
NWW **7550FER10**	.50 oz Poly-Coated Speed Strip™

NWW **7525FE**

NWW **7550FE**

NWW **75100FE**

POLY-COATED SPEED STRIP™ WHEEL WEIGHTS

Item No.	Strip Segment Weight	No. Segments	Strip Weight	Strips / Box	Box / Case
NWW **7525FE**	.25 oz.	12	3 oz.	40	4
NWW **7550FE**	.50 oz.	10	5 oz.	24	4
NWW **75100FE**	1 oz.	7	7 oz.	16	4

LOW-PROFILE MAGNI-COATED SPEED STRIP™

Item No.	Strip Segment Weight	No. Segments	Strip Weight	Strips / Box	Box / Case
NWW **7325FE**	.25 oz.	12	3 oz.	40	4

Lead weights are restricted by law in some states/regions. Check with your NAPA Store for availability. See www.steelwheelweights.com for current legislation.

Counteract
Balancing the wheels of transportation

COUNTERACT TIRE BALANCING BEADS

Counteract Balancing Beads are the economical way to balance the vehicle wheel assembly for the lifetime of the tire. Made of coated glass spheres, the balancing beads will not cause damage to the inner liner of the tire, they won't clump, regardless of excess moisture and are TPMS compatible.

- Balances for the complete life of the tire
- Adjusts to the balanced position as required
- Beads balance the complete wheel assembly in all wheel positions on both truck and trailer
- Beads prolong tire life, reducing the need to use as many tires
- Extends tire life
- Made in USA
- Decrease vibration
- Cooler tire running temperatures
- Proven to increase fuel economy

Item No.	Description
BK **704-1439**	3 oz.
BK **704-1440**	4 oz.
BK **704-1441**	5 oz.
BK **704-1442**	6 oz.
BK **704-1443**	8 oz.

Item No.	Description
BK **704-1444**	10 oz.
BK **704-1445**	12 oz.
BK **704-1446**	14 oz.
BK **704-1447**	16 oz.

COUNTERACT WHEEL CENTERING SLEEVES

Designed to take up the gap between the 26mm stud hole and 22mm wheel stud on hub piloted commercial wheels. Compatible with aluminum and steel.

- Made from high-temp polyamide with standing heat of 450° F plus
- Increase fuel mileage, tire life, stop wheel end vibration, stop irregular tire wear, decrease maintenance, reduce tire cupping
- 11R22.5, 24.5, RV, Bus, some 19.5 applications

Item No.	Description
BK **704-1449**	6 pack
BK **704-1450**	100 pc. bucket

COUNTERACT WHEEL CENTERING SLEEVE INSTALLATION TOOL

Installation/Removal tool for Counteract Wheel Centering Sleeves.

- Makes installation of the Counteract Centering Sleeves on dually applications easier
- Helps drive the sleeve into place easily as the wheel is being mounted to the assembly
- Easy to use removal portion allowing the sleeves to be pushed out of the mounting hole without troubles

BK **704-1451**

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TPMS (Tire Pressure Monitoring System)

TPMS ADVANCED DIAGNOSTIC TOOL KIT

Advanced TPMS diagnostic tool that provides comprehensive coverage for Domestic, European, and Asian vehicles and features a robust touch screen interface and ability to update over Wi-Fi.

- Perform OBDII relearns quickly and efficiently
- Integrated VIN scanner ensures application accuracy
- Programs popular universal programmable multi-coverage sensors
- Built-in TPMS relearn procedures speed up the repair process to save time
- PC-based software ensures the tool stays up-to-date and can also be updated over Wi-Fi
- High-resolution 4.3" touch screen display for easy navigation
- Save customer vehicle data via PC or print out with optional IR thermal printer
- Reads and displays TPMS Diagnostic Trouble Codes (DTC)
- Works with NAPA® Echlin® OE-Design and QWIK-SENSOR® Multi-Frequency TPMS Sensors
- 5 year tool update subscription

ECH **92-1557**

TPMS DIAGNOSTIC TOOL KIT

TPMS programming tool that provides comprehensive make/model/year-specific relearn procedures built into the tool, which speeds up the repair process to save time and money.

- Programs popular universal multi-coverage sensors
- Built-in OBD Module with quick-connect cable for simple OBDII transfers without the need for an additional accessory
- Programs QWIK-SENSOR® Multi-Frequency TPMS Sensors by create, copy, copy by ODBII, copy by set of sensors or TPMS ID input
- PC-based software ensures the tool stays up-to-date and can also be updated over Wi-Fi
- 5 year tool update subscription

ECH **92-1548**

TPMS PROGRAMMING TOOL

- Comprehensive make/model/year specific relearn procedures speed up the repair process to save you time
- Built-in OBD Module with quick-connect cable allows for simple OBDII transfers without the need for an additional accessory
- Works with NAPA® Echlin® OE-Design and QWIK-SENSOR® Multi-Frequency TPMS Sensors.
- Programs QWIK-SENSOR® Multi-Frequency TPMS Sensors by create, copy, copy by ODBII, copy by set of sensors or TPMS ID input
- 5 year tool update subscription

ECH **92-1547**

OBD2 CABLE

- Replacement OBD2 cable for TPMS programming tools ECH 92-1547 and ECH 92-1548
- Durable materials extend longevity
- For vehicles requiring an OBDII relearn

ECH **92-1547OBD2**

OBDII MODULE AND CABLE FOR ECH 92-1551 & ECH 92-1541 TOOLS

- Replacement OBD for TPMS programming tool *ECH* **92-1551**, *ECH* **92-1541**, *ECH* **92-1541TO** or *ECH* **92-1557**
- Universal OBD connector which interfaces with the vehicle's ECU
- For the vehicles requiring an OBDII relearn
- Allows direct relearns on most Asian vehicles

ECH **92-1500OBD2**

TPMS SERVICE KIT

Take the pressure out of choosing the right TPMS Service Kit. Assortment includes valve stem rebuild kits, nickel-plated valve cores, valve caps and valve core torque tool for the most popular domestic and imports.

ECH **92-1401SK**

Contents

Item No.	Qty.	Description	Applications
ECH **92-0195**	4	TPMS Service Kit	Mercedes-Benz, Dodge, Jeep, Lotus, Saab, Saturn, Suzuki, Nissan, Infiniti,
ECH **92-0125**	4	TPMS Service Kit	Cadillac, Chevrolet, Isuzu,
ECH **92-1323**	4	TPMS Service Kit	Mercedes-Benz, Nissan, BMW, Volkswagen, Volvo, Hyundai, Infiniti, Kia, Land Rover, Mazda, Mitsubishi, Chrysler, Dodge, Honda, Acura, Genesis, Mini,
ECH **92-0235**	4	TPMS Service Kit	Audi, Volkswagen,
ECH **92-0210**	4	TPMS Service Kit	Alfa Romeo, Chevrolet, Chrysler, Dodge, Jaguar, Land Rover, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Ram,
ECH **92-0140**	4	TPMS Service Kit	Chevrolet, Isuzu,
ECH **92-0150**	4	TPMS Service Kit	Jaguar, Land Rover,
ECH **92-0244**	4	TPMS Service Kit	Acura, Toyota, Honda, Hyundai, Kia,
ECH **92-0246**	4	TPMS Service Kit	Acura, BMW, Dodge, Freightliner, Volkswagen, Honda, Mercedes-Benz, Mini, Hyundai, Kia,
ECH **92-0261**	4	TPMS Service Kit	Jeep, Ram, Dodge, Audi, Bentley, BMW, Ferrari, Volkswagen, Lamborghini, Maserati, Maybach, Mercedes-Benz, Mini, Porsche, Rolls-Royce, Land Rover, Aston Martin, McLaren,
ECH **92-0215**	4	TPMS Service Kit	Dodge, Toyota, Infiniti, Lexus, Nissan, Scion, Acura, Honda, Subaru,
ECH **90-993**	100	Electroless Nickel Plated Valve Core	
ECH **90-994**	100	Long Black Plastic Valve Cap	
ECH **90-995**	100	Short Black Plastic Valve Cap	
ECH **90-1021**	100	Grey Plastic Valve Cap	
ECH **92-9003**	1	Valve Core Tool	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TPMS SERVICE KIT

Assortment includes ready-to-install factory-assembled valve stems, nickel-plated valve cores, and valve core torque tool for the most popular domestic and imports.

ECH **92-1402VK**

Contents

Item No.	Qty.	Description	Applications
ECH **92-0145**	4	Rubber Snap-In Valve	Lincoln, Subaru, Suzuki, Chevrolet, Buick, Cadillac, Chrysler, Dodge, Fiat, Ford, GMC, Volkswagen, Volvo, VPG, Jeep, Hummer, Kia, Lincoln, Mazda, Mercury, Mitsubishi, Pontiac, Ram, Saab, Saturn
ECH **92-0146**	4	Rubber Snap-In Valve	Saturn, Dodge, Ford, Lincoln
ECH **92-0702**	4	Rubber Snap-In Valve	Chevrolet, Suzuki, Buick, Cadillac, Chevrolet, GMC, Hummer, Pontiac, Saturn, Saab, Ford, Lincoln, Subaru
ECH **92-0705**	4	Rubber Snap-In Valve	Subaru, Kia, Hyundai, Ford, Lincoln
ECH **92-0229**	4	Aluminum Clamp-In Valve	Jeep, Hyundai, Kia
ECH **92-0228**	4	Rubber Snap-In Valve	Jaguar, Ram, Jeep
ECH **92-0233**	4	Brass Clamp-In Valve	Ram,
ECH **92-0232**	4	Rubber Snap-In Valve	Kia, Cadillac, Chrysler, Dodge, Jeep
ECH **92-0166**	4	Rubber Snap-In Valve	Hyundai
ECH **92-0171**	4	Aluminum Clamp-In Valve	Hyundai, Audi, Chrysler, Dodge, Volkswagen, Mercedes-Benz, Hyundai, Jeep, Ram, Land Rover, Mazda, Mitsubishi, Alfa Romeo, Freightliner, Smart, SRT, Jaguar
ECH **92-0700**	4	Aluminum Clamp-In Valve	Volkswagen, Mercedes-Benz, Alfa Romeo, Ram, Chevrolet
ECH **92-1320**	4	Aluminum Clamp-In Valve	Ram, BMW, Volvo, Land Rover, Mazda, Mitsubishi, Chrysler, Dodge, Suzuki, Acura, Genesis, Honda, Hyundai, Infiniti, Kia, Mini, Nissan, Volkswagen
ECH **90-1021**	100	Electroless Nickel Plated Valve Core	
ECH **92-9003**	1	Short Valve Core Torque Tool	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TPMS (Tire Pressure Monitoring System)

Cabinet Redemption Certificate for FREE eight TPMS sensors and *ECH* 92-1402SK TPMS Repair Kit. Details inside cabinet

TPMS CABINET

- Sleek professional appearance
- Safe and secure storage for your TPMS sensors
- Efficient inventory control and organization
- Includes a Cabinet Redemption Certificate for free eight TPMS sensors and *ECH* **92-1402SK** TPMS Repair Kit. Details inside cabinet
- Dimensions: 20½" (W) x 12½" (D) x 15" (H)

ECH **CAB105**

DOCKING STATION – ECH 92-1551 ACCESSORY

- The *ECH* **92-1551DS** docking station houses the *ECH* **92-1551** tool and printer
- The accessory allows the user to charge the *ECH* **92-1551** and printer wirelessly
- The docking station can be mounted to a wall or service station for easy access

ECH **92-1551DS**

IR PRINTER

The wireless IR thermal printer allows the user to print detailed information about TPMS sensors and tire tread depth. This allows shops to print information for record keeping and/or for the customer. The printer charges and can only be used within the docking station accessory for the *ECH* **92-1551** tool. Print detailed information including:

- Customer and vehicle information
- TPMS sensor IDs
- Tire pressure
- Temperature
- Sensor battery life
- Tire tread measurements

ECH **92-1551P**

ECH **92-1551AC**

ECH **92-1541AC**

TPMS POWER ADAPTER

- Save your battery power while charging the battery
- Compatible with Ni-Cd Ni-Mh & Li-Ion Batteries

Item No.	Description
ECH **92-1551AC**	Replacement charger for TPMS programming tool *ECH* **92-1551**
ECH **92-1541AC**	Replacement charger for TPMS programming tool *ECH* **92-1541**, or *ECH* **92-1541TO**

TIRE TREAD DEPTH GAUGE – ECH 92-1551 ACCESSORY

The Tire Tread Depth Gauge is an add-on accessory for the *ECH* **92-1551** OBD2 Diagnostic TPMS Tool. The accessory allows a technician to measure tire tread depth with high accuracy when checking TPMS sensors during routine service and maintenance checks. In one simple gesture, it can detect worn tires, tire damage and indicate poor alignment.

- A quick vehicle safety check
- An additional service and tire sales opportunity
- Ideal for tire management: records tire condition before and after storage

ECH **92-1500TG**

TPMS TOOL ANNUAL SUBSCRIPTION RENEWAL CERTIFICATE

Item No.	Description
ECH **92-1531U**	TPMS programming tool *ECH* **92-1531**
ECH **92-1541SU**	TPMS programming tool *ECH* **92-1541TO** or diagnostic tool *ECH* **92-1541**
ECH **92-1551SU**	TPMS Diagnostic Tool *ECH* **92-1551**

The industry's best blended TPMS program with 99% coverage. One Multi-Frequency Sensor covers PAL, WAL, and Auto-Locate technologies. Our OE-Match sensors are direct-fit and ready-to-install right out of the box.

NAPA® Echlin® aftermarket TPMS sensors meets all applicable federal requirements and will fit and function properly in a manner equivalent to the original equipment (OE) sensor on the vehicle(s) intended for use.

NAPA® ECHLIN® QWIK-SENSOR® UNIVERSAL MULTI-FREQUENCY PROGRAMMABLE TPMS SENSOR

This New Multi-Frequency TPMS sensor combines 314.9, 315, and 433/434 MHz applications into one single SKU, reducing inventory for service facilities, while making TPMS sensor replacement more efficient for professional technicians. The 92-4006 comes complete with a factory-installed valve stem.

Faster programming times, surface-mounted dual band antenna, and longer battery life are just a few of the enhancements engineered into the QWIK-SENSOR® 92-4006. This Multi-Frequency sensor has been independently tested to match OE protocols for precise form, fit and function – including LOCSYNC, PAL, POD, and WAL advanced technologies.

ECH **92-4006R**
Rubber valve stem
433 MHz

ECH **92-4006M**
Metal valve stem
315 MHz

Now, required TPMS sensor programming can be completed before or after installation, and while under pressure.

Programming is easy with the new NAPA® Echlin® QWIK-SENSOR® Universal Multi-Frequency TPMS Sensor

1. Place the new QWIK-SENSOR® Universal Multi-Frequency TPMS Sensor in front of the antenna of any tool with QWIK-SENSOR® software
2. Activate the QWIK-SENSOR® Universal Multi-Frequency TPMS Sensor
3. Once the sensor is programmed, you can follow the original OE relearn procedure OR you can choose to clone the old ID number

Style A | Style B | Style C | Style D | Style E | Style F | Style G/H | Style J | Style K

Style L | Style N | Style O | Style Q | Style R | Style T | Style U | Style V

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1001C**	*ECH* **92-4006R** *ECH* **92-4006M**	D	4L2Z1A150BA, 4L2Z1A150BB,	2004 - 03 Ford Expedition; 2005 - 02 Ford Explorer; 2005 - 02 Ford Explorer Sport Trac; 2005 - 03 Lincoln Aviator; 2004 - 03 Lincoln Navigator; 2005 - 02 Mercury Mountaineer
ECH **92-1003C**	*ECH* **92-4006R/** *ECH* **92-4006M**	J	25774006, 25763677, 15163068,	2007 - 06 Buick Rainier; 2007 - 04 Cadillac CTS; 2006 - 04 Cadillac SRX; 2006 Chevrolet SSR; 2009 - 02 Chevrolet Trailblazer; 2006 Chevrolet Trailblazer EXT; 2009 - 05 GMC Envoy; 2006 - 05 GMC Envoy XL; 2005 GMC Envoy XUV; 2008 - 06 Isuzu Ascender; 2009 - 05 Saab 9-7x
ECH **92-1004C**	*ECH* **92-4006R/** *ECH* **92-4006M**	J	25773946,	2005 - 01 Cadillac DeVille; 2004 - 01 Cadillac Seville; 2004 - 01 Chevrolet Corvette
ECH **92-1005C**	*ECH* **92-4006R/** *ECH* **92-4006M**	D	5L1Z1A150AA,	2006 - 05 Ford Expedition; 2005 - 04 Ford Freestar; 2006 - 05 Lincoln Navigator; 2005 - 04 Mercury Monterey
ECH **92-1006C**	*ECH* **92-4006R/** *ECH* **92-4006M**	J	15102575, 15136883, 15163069,	2004 - 02 Cadillac Escalade; 2004 Cadillac Escalade ESV; 2004 Cadillac Escalade EXT; 2004 Chevrolet Avalanche 1500; 2004 Chevrolet Avalanche 2500; 2004 Chevrolet Silverado 1500; 2004 Chevrolet Silverado 2500; 2004 Chevrolet Silverado 2500 HD; 2004 Chevrolet Silverado 3500; 2004 Chevrolet Suburban 1500; 2004 Chevrolet Suburban 2500; 2004 Chevrolet Tahoe; 2004 GMC Sierra 1500; 2004 GMC Sierra 2500; 2004 GMC Sierra 2500 HD; 2004 GMC Sierra 3500; 2004 GMC W3500 Forward; 2004 GMC Yukon; 2004 GMC Yukon XL 1500; 2004 GMC Yukon XL 2500
ECH **92-1007C**	*ECH* **92-4006R/** *ECH* **92-4006M**	D	40700JA02B, 40700JA02B, 40700JA00B, 40700JA00B, 40700CK002, 40700JA01B, 40700JA01B, 407001AA0B, 407001AA0B,	2018 - 15 Chevrolet City Express; 2008 - 03 Infiniti FX35; 2008 - 03 Infiniti FX45; 2007 - 03 Infiniti G35; 2010 - 06 Infiniti M35; 2010 - 06, 2004 - 03 Infiniti M45; 2006 - 03 Infiniti Q45; 2003 Infiniti QX4; 2010 - 04 Infiniti QX56; 2009 - 03 Nissan 350Z; 2013 - 06 Nissan Altima; 2015 - 04 Nissan Armada; 2012 - 09 Nissan Cube; 2016 - 03 Nissan Frontier; 2021 - 09 Nissan GT-R; 2012 - 11 Nissan Juke; 2011 - 06 Nissan Maxima; 2012 - 03 Nissan Murano; 2014 - 13 Nissan NV200; 2012 - 03 Nissan Pathfinder; 2004 Nissan Pathfinder Armada; 2010 - 04 Nissan Quest; 2012 - 08 Nissan Rogue; 2012 - 07 Nissan Sentra; 2015 - 04 Nissan Titan; 2011 - 07 Nissan Versa; 2015 - 03 Nissan Xterra; 2012 - 09 Suzuki Equator; 2006 - 05 Suzuki Verona

Continued on following page.

TPMS (Tire Pressure Monitoring System)

NAPA® ECHLIN® QWIK-SENSOR® MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1010C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	25758220, 10354988, 10306573,	2008 - 05 Cadillac STS; 2009 - 04 Cadillac XLR; 2009 - 05 Chevrolet Corvette
ECH **92-1012C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	15122618,	2012 - 06 Chevrolet Colorado; 2012 - 07 GMC Canyon; 2010 - 06 Hummer H3; 2010 - 09 Hummer H3T
ECH **92-1013C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	4250A030, 4250B875, MN103081, 4250B877,	2012 - 06 Mitsubishi Eclipse; 2011 - 06 Mitsubishi Endeavor; 2012 - 07 Mitsubishi Galant; 2006 - 03 Mitsubishi Montero; 2006 - 03 Mitsubishi Montero Sport
ECH **92-1014C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	28103AG00B, 28103AG00A, 906400001,	2007 - 06 Subaru B9 Tribeca; 2008 - 04 Subaru Legacy; 2007 - 04 Subaru Outback
ECH **92-1016C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	52088990AB, MN103033, 52088990AA, 52088990AD, 52088990AC, 52088990AE,	2004 - 02 Chrysler 300M; 2004 - 02 Chrysler Concorde; 2008 - 04 Chrysler Crossfire; 2004 Chrysler Pacifica; 2002 - 01 Chrysler Prowler; 2003 - 02 Chrysler Town & Country; 2003 - 02 Chrysler Voyager; 2003 - 02 Dodge Caravan; 2003 - 01 Dodge Grand Caravan; 2004 - 02 Dodge Intrepid; 2010 - 08, 2006 - 03 Dodge Viper; 2004 - 01 Jeep Grand Cherokee; 2004 - 02 Jeep Liberty; 2006 - 04 Mitsubishi Endeavor; 2006 - 04 Mitsubishi Galant
ECH **92-1017C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	4313054J22, 4313054J21, 4313054J20,	2013 - 05 Suzuki Grand Vitara; 2013 - 07 Suzuki SX4; 2012 Suzuki SX4 Crossover; 2006 - 05 Suzuki XL-7
ECH **92-1018C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	15114379,	2006 - 05 Cadillac Escalade; 2006 - 05 Cadillac Escalade ESV; 2006 - 05 Cadillac Escalade EXT; 2006 - 05 Chevrolet Avalanche 1500; 2006 - 05 Chevrolet Avalanche 2500; 2007 - 05 Chevrolet Silverado 1500; 2007 Chevrolet Silverado 1500 Classic; 2006 - 05 Chevrolet Silverado 1500 HD; 2006 - 05 Chevrolet Silverado 2500; 2006 - 05 Chevrolet Silverado 2500 HD; 2007 Chevrolet Silverado 2500 HD Classic; 2006 - 05 Chevrolet Silverado 3500; 2007 Chevrolet Silverado 3500 Classic; 2006 - 05 Chevrolet Suburban 1500; 2006 - 05 Chevrolet Suburban 2500; 2006 - 05 Chevrolet Tahoe; 2006 - 05 GMC Sierra 1500; 2007 GMC Sierra 1500 Classic; 2006 - 05 GMC Sierra 1500 HD; 2006 - 05 GMC Sierra 2500 HD; 2007 GMC Sierra 2500 HD Classic; 2006 - 05 GMC Sierra 3500; 2007 GMC Sierra 3500 HD; 2006 - 05 GMC W3500 Forward; 2006 - 05 GMC Yukon; 2006 - 05 GMC Yukon XL 1500; 2006 - 05 GMC Yukon XL 2500
ECH **92-1020C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	10438853, 25981210,	2000 - 97 Chevrolet Corvette

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NAPA® ECHLIN® QWIK-SENSOR® MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1021C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	C	19118652, 25952370, 25799331, 25920615, 20923680, 15254101, 15123145, 22854866, 22853741,	2008 - 07 Buick Allure; 2015 - 08 Buick Enclave; 2015 - 13 Buick Encore; 2009 - 06 Buick LaCrosse; 2011 - 07 Buick Lucerne; 2015 - 13 Buick Regal; 2015 - 14 Buick Verano; 2014 - 08 Cadillac CTS; 2011 - 06 Cadillac DTS; 2015 - 14 Cadillac ELR; 2015 - 07 Cadillac Escalade; 2014 - 07 Cadillac Escalade ESV; 2013 - 07 Cadillac Escalade EXT; 2015 - 14, 2009 - 07 Cadillac SRX; 2011 - 09 Cadillac STS; 2015 Cadillac XTS; 2013 - 07 Chevrolet Avalanche; 2018, 2011 - 04 Chevrolet Aveo; 2011 - 07 Chevrolet Aveo5; 2013 - 11 Chevrolet Caprice; 2015 - 08 Chevrolet Captiva Sport; 2010 - 08 Chevrolet Cobalt; 2013 - 10 Chevrolet Corvette; 2009 - 07 Chevrolet Equinox; 2014 - 07 Chevrolet Express 1500; 2020 - 07 Chevrolet Express 2500; 2020 - 07 Chevrolet Express 3500; 2015 - 09 Chevrolet Express 4500; 2011 - 08 Chevrolet HHR; 2015 - 06 Chevrolet Impala; 2014 Chevrolet Impala Limited; 2016 - 08 Chevrolet Malibu; 2007 - 06 Chevrolet Monte Carlo; 2007 Chevrolet Optra; 2014 - 12 Chevrolet Orlando; 2015 - 07 Chevrolet Silverado 1500; 2007 Chevrolet Silverado 1500 Classic; 2007 Chevrolet Silverado 1500 HD Classic; 2015 - 11, 2009 - 07 Chevrolet Silverado 2500; 2014 - 07 Chevrolet Silverado 2500 HD; 2015, 2013 - 11, 2009 - 07 Chevrolet Silverado 3500; 2014 - 07 Chevrolet Silverado 3500 HD; 2014 Chevrolet SS; 2014 Chevrolet Suburban; 2014 - 07 Chevrolet Suburban 1500; 2013 - 07 Chevrolet Suburban 2500; 2013 - 07 Chevrolet Tahoe; 2015 - 09 Chevrolet Traverse; 2015 - 13 Chevrolet Trax; 2009 - 08 Chevrolet Uplander; 2015 - 14 Chevrolet Volt; 2014 - 07 GMC Acadia; 2014 - 08 GMC Savana 1500; 2019 - 08 GMC Savana 2500; 2019 - 08 GMC Savana 3500; 2015 - 09 GMC Savana 4500; 2010 - 07 GMC Sierra; 2013 - 07 GMC Sierra 1500; 2007 GMC Sierra 1500 HD Classic; 2014 - 07 GMC Sierra 2500 HD; 2007 GMC Sierra 3500 Classic; 2014 - 08 GMC Sierra 3500 HD; 2008 - 07 GMC W3500 Forward; 2014 - 07 GMC Yukon; 2014 - 07 GMC Yukon XL 1500; 2013 - 07 GMC Yukon XL 2500; 2009 - 07 Hummer H2; 2010 - 08 Pontiac G3; 2009 Pontiac G3 Wave; 2010 - 08 Pontiac G5; 2010 - 08 Pontiac G6; 2009 - 08 Pontiac G8; 2008 - 07 Pontiac Grand Prix; 2009 - 08 Pontiac Montana; 2010 - 08 Pontiac Solstice; 2009 - 07 Pontiac Torrent; 2008 - 07 Pontiac Wave; 2010 - 07 Saturn Aura; 2010 - 07 Saturn Outlook; 2010 - 08 Saturn Sky; 2010 - 07 Saturn Vue; 2008 - 07 Suzuki Forenza; 2008 - 07 Suzuki Reno; 2009 - 07 Suzuki XL-7
ECH **92-1021RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	C	25799331,	2015 - 09 Buick Enclave; 2015 - 13 Buick Encore; 2009 - 08 Buick LaCrosse; 2011 - 07 Buick Lucerne; 2015 - 13 Buick Regal; 2015 - 14 Buick Verano; 2014 - 10 Cadillac CTS; 2007 Cadillac DTS; 2015 - 14 Cadillac ELR; 2015 - 10, 2007 Cadillac Escalade; 2014 - 07 Cadillac Escalade ESV; 2013 - 07 Cadillac Escalade EXT; 2009 - 07 Cadillac SRX; 2011 - 09 Cadillac STS; 2015 Cadillac XTS; 2013 - 10, 2007 Chevrolet Avalanche; 2018, 2011 - 09, 2006 - 04 Chevrolet Aveo; 2011 - 07 Chevrolet Aveo5; 2015 - 08 Chevrolet Captiva Sport; 2010 - 08 Chevrolet Cobalt; 2008 Chevrolet Equinox; 2014 - 09 Chevrolet Express 1500; 2020 - 18, 2016 - 09 Chevrolet Express 2500; 2020 - 18, 2016 - 09 Chevrolet Express 3500; 2017 - 09 Chevrolet Express 4500; 2011 Chevrolet HHR; 2015 - 11, 2007 - 06 Chevrolet Impala; 2014 Chevrolet Impala Limited; 2016 - 12, 2010 - 09 Chevrolet Malibu; 2007 - 06 Chevrolet Monte Carlo; 2007 Chevrolet Optra; 2014 - 12 Chevrolet Orlando; 2015 - 10, 2007 Chevrolet Silverado 1500; 2007 Chevrolet Silverado 1500 Classic; 2007 Chevrolet Silverado 1500 HD Classic; 2015 - 11, 2007 Chevrolet Silverado 2500; 2014 - 07 Chevrolet Silverado 2500 HD; 2015, 2013 - 11, 2007 Chevrolet Silverado 3500; 2014 - 07 Chevrolet Silverado 3500 HD; 2014 Chevrolet Suburban; 2014 - 07 Chevrolet Suburban 1500; 2013 - 07 Chevrolet Suburban 2500; 2013 - 10, 2007 Chevrolet Tahoe; 2015 - 09 Chevrolet Traverse; 2015 - 13 Chevrolet Trax; 2015 - 14 Chevrolet Volt; 2014 - 09 GMC Acadia; 2015 GMC Canyon; 2014 - 10 GMC Savana 1500; 2021 - 10 GMC Savana 2500; 2021 - 10 GMC Savana 3500; 2014 - 10 GMC Savana 4500; 2010 - 07 GMC Sierra; 2013 - 07 GMC Sierra 1500; 2007 GMC Sierra 1500 HD Classic; 2014 - 07 GMC Sierra 2500 HD; 2007 GMC Sierra 3500 Classic; 2014 - 08 GMC Sierra 3500 HD; 2008 - 07 GMC W3500 Forward; 2014 - 07 GMC Yukon; 2014 - 07 GMC Yukon XL 1500; 2013 - 07 GMC Yukon XL 2500; 2010 - 08 Pontiac G3; 2009 Pontiac G3 Wave; 2010 - 08 Pontiac G5; 2010 - 08 Pontiac G6; 2009 - 08 Pontiac G8; 2008 Pontiac Grand Prix; 2008 Pontiac Torrent; 2008 - 07 Pontiac Wave; 2010 - 08 Saturn Aura; 2010 - 09 Saturn Outlook; 2010 - 07 Saturn Vue; 2008 - 07 Suzuki Forenza; 2008 - 07 Suzuki Reno

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NAPA® ECHLIN® QWIK-SENSOR® MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1022C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	56029526AA, 5139640AA, 56053030AB, 56053030AC, 68078861AC, 56053030AA, 68001696AA, 68078861AB, 68001696AB, 68078861AA,	2014 - 11 Chrysler 200; 2007 - 05 Chrysler 300; 2008 - 06 Chrysler Crossfire; 2008 - 06 Chrysler Pacifica; 2010 - 07 Chrysler PT Cruiser; 2010 - 07 Chrysler Sebring; 2007 - 06 Chrysler Town & Country; 2014 - 08 Dodge Avenger; 2012 - 07 Dodge Caliber; 2007 - 06 Dodge Caravan; 2007 - 06 Dodge Charger; 2007 Dodge Durango; 2007 - 06 Dodge Grand Caravan; 2007 - 05 Dodge Magnum; 2013 - 09 Hyundai Elantra; 2006 Jeep Commander; 2011 - 07 Jeep Compass; 2007 - 05 Jeep Grand Cherokee; 2006 - 05 Jeep Liberty; 2011 - 07 Jeep Patriot; 2010 - 08 Mitsubishi Lancer; 2009 - 06 Mitsubishi Outlander; 2015 - 11 Mitsubishi RVR; 2011 Ram Dakota
ECH **92-1025**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	06421S9VA03, 06421S9VA02, 06421S9VA00, 06421S9VA01,	2008 - 05 Honda Pilot; 2008 - 06 Honda Ridgeline
ECH **92-1027C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4727392AA, 5127335AC, 4727392AB, 5127335AF, 5127335AB, 05127335AE, 5127335AA, 4727392AC, 5127335AE, 5127335AD,	2005 - 04 Chrysler Pacifica; 2005 - 04 Chrysler Town & Country; 2005 - 04 Dodge Caravan; 2005 - 2004 Dodge Grand Caravan
ECH **92-1028C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	56029479AA, 69137699AA, 56029319AA, 56029319AB, 5602947AB, 56029465AC, 56029319AC,	2011 - 08 Dodge Dakota; 2011 Dodge Nitro; 2009 - 08 Dodge Ram 1500; 2009 - 08 Dodge Ram 2500; 2009 - 08 Dodge Ram 3500; 2012 - 11 Jeep Liberty; 2009 - 08 Mitsubishi Raider
ECH **92-1028RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	56029319AAX,	2010 - 08 Dodge Dakota; 2011 Dodge Nitro; 2009 - 08 Dodge Ram 1500; 2009 - 08 Dodge Ram 2500; 2009 - 08 Dodge Ram 3500; 2009 - 08 Mitsubishi Raider
ECH **92-1030C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	28103AJ01A, 28103SA001, 28103SA000, 28103AG01B, 28103AG01A, 28103SG000, 28103AJ00A, 28103SA002, 28103SG010, 28103AG01C,	2017 - 16 Subaru Crosstrek; 2018 - 08 Subaru Forester; 2016 - 08 Subaru Impreza; 2017 - 08 Subaru Legacy; 2017 - 08 Subaru Outback; 2014 - 08 Subaru Tribeca; 2020 - 12 Subaru WRX; 2020 - 13 Subaru WRX STI; 2015 - 13 Subaru XV Crosstrek
ECH **92-1030RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	28103AG01B,	2016 - 08 Subaru Forester; 2016 - 08 Subaru Impreza; 2016 - 08 Subaru Legacy; 2016 - 08 Subaru Outback; 2014 - 08 Subaru Tribeca; 2016 - 12 Subaru WRX; 2016 - 13 Subaru WRX STI; 2015 - 13 Subaru XV Crosstrek
ECH **92-1036C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**E**	ZZC137140, 6F2Z1A189A, ZZC23714X,	2011 - 06 Ford Crown Victoria; 2008 - 07 Ford Edge; 2008 - 05 Ford Escape; 2007 Ford Expedition; 2010 - 06 Ford Explorer; 2010 - 07 Ford Explorer Sport Trac; 2008 - 06 Ford F-150; 2009 - 07 Ford Focus; 2007 - 06 Ford Freestar; 2009 - 06 Ford Fusion; 2009 - 05 Ford Mustang; 2011 - 06 Ford Ranger; 2007 Ford Taurus; 2008 - 07 Lincoln Mark LT; 2007 Lincoln MKX; 2009 - 07 Lincoln MKZ; 2011 - 06 Lincoln Town Car; 2006 Lincoln Zephyr; 2010 - 07 Mazda B2300; 2008 - 07 Mazda B3000; 2010 - 07 Mazda B4000; 2010 - 06 Mazda Tribute; 2011 - 06 Mercury Grand Marquis; 2008 - 05 Mercury Mariner; 2009 - 07 Mercury Milan; 2007 - 06 Mercury Monterey; 2010 - 06 Mercury Mountaineer
ECH **92-1038C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	40700JK00D, 40700JK01A, 40700JK00C, 40700JK00B, 40700JK00E, 40700JK00A,	2010 - 08 Infiniti EX35; 2010 - 09 Infiniti FX35; 2010 - 09 Infiniti FX50; 2008 - 07 Infiniti G35; 2010 - 08 Infiniti G37; 2010 - 09 Nissan 370Z; 2014 - 13 Nissan Cube; 2015 - 13 Nissan Juke; 2015 - 11 Nissan Murano; 2013 - 11 Nissan Rogue; 2015 - 14 Nissan Rogue Select

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ECH **92-1039C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	4260733022, 4260733021, 4260730030,	2006 - 05 Lexus GS300; 2006 - 05 Lexus GS430; 2006 Lexus IS250; 2006 Lexus IS350
ECH **92-1040**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**F**	4260724011, 4260724010,	2006 Lexus GX470; 2006 - 02 Lexus SC430
ECH **92-1041**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**F**	4260724020, 4260724021,	2006 - 02 Lexus SC430
ECH **92-1042**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**F**	4260724030, 4260724031,	2006 - 02 Lexus SC430
ECH **92-1043**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**F**	4260724040, 4260724041,	2006 - 02 Lexus SC430
ECH **92-1053C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	4260704011, 4260704010, 42607AD010,	2007 - 04 Toyota Sequoia; 2015 - 05 Toyota Tacoma; 2006 - 05 Toyota Tundra
ECH **92-1067C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	4260708010, 426070C050, 426070C030, 426070C070,	2015 - 14 Acura RLX; 2014 - 09 Acura TL; 2013 - 10 Acura ZDX; 2013 - 11 Hyundai Elantra; 2013 Hyundai Elantra Coupe; 2017 - 12 Kia Rio; 2017 - 08 Toyota Sequoia; 2020 - 07 Toyota Sienna; 2017 - 06 Toyota Tundra
ECH **92-1074C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	56029359AA, 56029481AB, 56029359AB, 56029359AC, 68406531AA,	2012 - 07 Dodge Nitro; 2010 - 09 Dodge Ram 1500; 2010 - 09 Dodge Ram 2500; 2010 - 09 Dodge Ram 3500; 2010 Dodge Ram 4500; 2010 Dodge Ram 5500; 2010 - 08 Jeep Commander; 2012 - 08 Jeep Grand Cherokee; 2010 - 09 Jeep Liberty; 2010 - 09 Jeep Wrangler; 2013 Ram 1500; 2013 - 11 Ram 2500; 2013 - 11 Ram 3500
ECH **92-1074RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	56029359AAX,	2011 - 07 Dodge Nitro; 2009 Dodge Ram 2500; 2009 Dodge Ram 3500; 2010 - 08 Jeep Commander; 2010 - 08 Jeep Grand Cherokee; 2010 - 09 Jeep Liberty; 2010 - 09 Jeep Wrangler
ECH **92-1080**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	36118378682, 36142360420,	1999 BMW 318ti; 2000 BMW 323Ci; 2000 - 1999 BMW 323i; 1999 BMW 323is; 2004 - 01 BMW 325Ci; 2004 - 01 BMW 325i; 2004 - 01 BMW 325xi; 2000 BMW 328Ci; 2000 - 1999 BMW 328i; 1999 BMW 328is; 2004 - 01 BMW 330Ci; 2006 - 01 BMW 330i; 2004 - 01 BMW 330xi; 2005 - 02 BMW 525i; 2005 - 02 BMW 530i; 2003 - 02 BMW 540i; 2005 - 04 BMW 545i; 2001 - 1998 BMW 740i; 2001 - 1998 BMW 740iL; 2005 - 02 BMW 745i; 2005 - 02 BMW 745Li; 2001 - 1998 BMW 750iL; 2005 - 04 BMW 760i; 2005 - 03 BMW 760Li; 2011 BMW Alpina B7; 2003 - 02 BMW M3; 2003 - 00 BMW M5
ECH **92-1089C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**N**	68006771AA, 0025405417, 25405417, 68038945AA, 0025409417,	2009 - 07 Dodge Sprinter 2500; 2009 - 07 Dodge Sprinter 3500; 2013 - 07 Freightliner Sprinter 2500; 2013 - 07 Freightliner Sprinter 3500; 2014 - 10 Mercedes-Benz Sprinter 2500; 2014 - 10 Mercedes-Benz Sprinter 3500
ECH **92-1094C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**N**	0025404717, 0025406817, 25404717, 0025406617, 0025407917,	2009 - 07 Mercedes-Benz CL500; 2010 - 07 Mercedes-Benz CL550; 2009 - 07 Mercedes-Benz CL600; 2009 - 08 Mercedes-Benz CL63 AMG; 2009 - 08 Mercedes-Benz CL65 AMG; 2009 - 06 Mercedes-Benz CLS500; 2006 Mercedes-Benz CLS55 AMG; 2011 - 07 Mercedes-Benz CLS550; 2011 - 07 Mercedes-Benz CLS63 AMG; 2008 Mercedes-Benz E280; 2009 - 08 Mercedes-Benz E300; 2009 - 06 Mercedes-Benz E320; 2009 - 06 Mercedes-Benz E350; 2008 - 06 Mercedes-Benz E500; 2006 Mercedes-Benz E55 AMG; 2009 - 07 Mercedes-Benz E550; 2009 - 07 Mercedes-Benz E63 AMG; 2009 - 07 Mercedes-Benz ML320; 2009 - 06 Mercedes-Benz ML350; 2007 - 06 Mercedes-Benz ML500; 2009 - 08 Mercedes-Benz ML550; 2009 Mercedes-Benz R320; 2009 - 06 Mercedes-Benz R350; 2007 - 06 Mercedes-Benz R500; 2008 Mercedes-Benz R550; 2010 Mercedes-Benz S400; 2010 - 08 Mercedes-Benz S450; 2009 - 07 Mercedes-Benz S500; 2010 - 07 Mercedes-Benz S550; 2009 - 07 Mercedes-Benz S600; 2010 - 08 Mercedes-Benz S63 AMG; 2010 - 07 Mercedes-Benz S65 AMG; 2011, 2008 - 06 Mercedes-Benz SL500; 2008 - 06 Mercedes-Benz SL55 AMG; 2012 - 07 Mercedes-Benz SL550; 2011 - 06 Mercedes-Benz SL600; 2012 - 09 Mercedes-Benz SL63 AMG; 2011, 2009 - 06 Mercedes-Benz SL65 AMG; 2009 - 08 Mercedes-Benz SLR McLaren

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NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1110C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	407001LA0B, 407001LA0D, 407001LA0C, 407001LA0A, 407001LA0E,	2012 - 10 Infiniti EX35; 2013 Infiniti EX37; 2012 - 10 Infiniti FX35; 2013 Infiniti FX37; 2013 - 10 Infiniti FX50; 2012 - 11 Infiniti G25; 2013 - 10 Infiniti G37; 2013 - 12 Infiniti M35h; 2013 - 11 Infiniti M37; 2013 - 11 Infiniti M56; 2015 Infiniti Q40; 2015 - 14 Infiniti Q60; 2019 - 14 Infiniti Q70; 2019 - 15 Infiniti Q70L; 2017 - 14 Infiniti QX50; 2013 - 11 Infiniti QX56; 2018 - 14 Infiniti QX70; 2016 - 14 Infiniti QX80; 2020 - 10 Nissan 370Z; 2014 - 11 Nissan Cube; 2017 - 11 Nissan Juke; 2012 - 11 Nissan Leaf; 2017 - 11 Nissan Quest
ECH **92-1111**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	8151226180,	2008 - 07 Isuzu i-290; 2008 - 07 Isuzu i-370
ECH **92-1112**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	8973271890,	2004 Isuzu Rodeo
ECH **92-1113**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	68078768AA, 56029527AA, 68001698AC,	2008 - 06 Chrysler 300; 2009 - 08 Chrysler Sebring; 2010 - 08 Chrysler Town & Country; 2007 Dodge Caliber; 2008 Dodge Charger; 2010 - 08 Dodge Grand Caravan; 2011 - 09 Dodge Journey; 2008 Dodge Magnum; 2007 Jeep Compass; 2005 Jeep Grand Cherokee; 2007 Jeep Patriot
ECH **92-1115C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	40700AR300,	2002 Infiniti Q45
ECH **92-1116**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	529331M000, 529332M000,	2013 - 12 Hyundai Accent; 2012 - 10 Hyundai Genesis Coupe; 2014 - 11 Hyundai Sonata; 2013 - 10 Kia Forte; 2013 - 10 Kia Forte Koup; 2012 - 11 Kia Optima; 2015 - 11 Kia Sorento; 2013 - 10 Kia Soul
ECH **92-1120**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	LR003133, LR021935,	2012 - 10 Land Rover LR2
ECH **92-1123C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	C2D38979, C2D10072, C2D15551, CSD21601, C2D21601,	2016 - 14 Jaguar F-Type; 2015 - 12 Jaguar XJ; 2015 - 14 Jaguar XJR
ECH **92-1125C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	13354312, 13172567,	2007 - 03 Saab 9-3; 2007 - 03 Saab 9-5; 2009 - 08 Saturn Astra
ECH **92-1127C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	426070C060, 426070C080, 426070C040,	2008 Toyota Sequoia; 2017 - 06 Toyota Tundra
ECH **92-1130C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	36236779490, 36236781847, 36236771034, 36236798726,	2010 - 08 BMW 128i; 2010 - 08 BMW 135i; 2011 - 08 BMW 323i; 2006 - 05 BMW 325Ci; 2006 - 05 BMW 325i; 2006 - 05 BMW 325xi; 2009 - 07 BMW 328i; 2009 BMW 328i xDrive; 2008 - 07 BMW 328xi; 2006 - 05 BMW 330Ci; 2006 - 05 BMW 330i; 2006 - 05 BMW 330xi; 2009 BMW 335d; 2009 - 07 BMW 335i; 2009 BMW 335i xDrive; 2008 - 07 BMW 335xi; 2007 - 06 BMW 525i; 2007 - 06 BMW 525xi; 2010 - 08 BMW 528i; 2010 - 09 BMW 528i xDrive; 2008 BMW 528xi; 2007 - 06 BMW 530i; 2007 - 06 BMW 530xi; 2010 - 08 BMW 535i; 2010 BMW 535i GT; 2010 - 09 BMW 535i xDrive; 2008 BMW 535xi; 2010 - 06 BMW 550i; 2010 BMW 550i GT; 2010 BMW 550i GT xDrive; 2010 - 06 BMW 650i; 2010 - 06 BMW 750i; 2010 BMW 750i xDrive; 2010 - 06 BMW 750Li; 2010 BMW 750Li xDrive; 2006 BMW 760i; 2010 - 06 BMW 760Li; 2008 - 07 BMW Alpina B7; 2009 - 08, 2006 - 04 BMW M3; 2010 - 06 BMW M5; 2010 - 06 BMW M6; 2010 - 06 BMW X3; 2010 - 05 BMW X5; 2010 - 08 BMW X6; 2010 - 03 BMW Z4; 2009 - 07 Mini Cooper; 2013 - 08 Rolls-Royce Phantom
ECH **92-1131C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	56029465AA, 56029465AB, 68406530AA, 56029479AB, 56053036AA,	2009 - 07 Chrysler Aspen; 2009 - 08, 2006 Dodge Durango; 2010 - 07 Dodge Nitro; 2009 Dodge Ram 1500; 2009 Dodge Ram 2500; 2009 Dodge Ram 3500; 2007 Jeep Commander; 2017 - 12 Jeep Compass; 2012 - 07 Jeep Liberty; 2017 - 12 Jeep Patriot; 2012 - 07 Jeep Wrangler
ECH **92-1131RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	56029465AA,	2009 - 07 Chrysler Aspen; 2009 - 06 Dodge Durango; 2010 - 07 Dodge Nitro; 2009 Dodge Ram 1500; 2009 Dodge Ram 2500; 2009 Dodge Ram 3500; 2007 - 06 Jeep Commander; 2016 - 12 Jeep Compass; 2010 - 07 Jeep Liberty; 2016 - 12 Jeep Patriot; 2012 - 07 Jeep Wrangler
ECH **92-1132C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	68078768AC, 56053031AC, 68001698AB, 68001698AA, 68078768AB, 56053031AB,	2009 - 08 Chrysler Sebring; 2010 - 08 Chrysler Town & Country; 2008 Dodge Charger; 2010 - 08 Dodge Grand Caravan; 2010 - 09 Dodge Journey; 2008 Dodge Magnum

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ECH **92-1134C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	0055422418, 4D0907275D, 4D0907275A, 8223406, 0008223406,	2004 - 00 Audi A6; 2004 - 00 Audi A6 Quattro; 2000 Audi A8; 2009 - 00 Audi A8 Quattro; 2005 - 01 Audi Allroad Quattro; 2004 - 03 Audi RS6; 2009 - 07, 2003 - 01 Audi S8; 2011 - 03 Maybach 57; 2011 - 03 Maybach 62; 2006 - 00 Mercedes-Benz CL500; 2006 - 01 Mercedes-Benz CL55 AMG; 2006 - 01 Mercedes-Benz CL600; 2006 - 05 Mercedes-Benz CL65 AMG; 2007 - 06 Mercedes-Benz CLK350; 2005 - 00 Mercedes-Benz E320; 2002 - 00 Mercedes-Benz E430; 2005 - 03 Mercedes-Benz E500; 2005 - 1999 Mercedes-Benz E55 AMG; 2006 Mercedes-Benz S350; 2006 - 00 Mercedes-Benz S430; 2006 - 00 Mercedes-Benz S500; 2006 - 01 Mercedes-Benz S55 AMG; 2006 - 01 Mercedes-Benz S600; 2006 Mercedes-Benz S65 AMG; 2005 - 00 Mercedes-Benz SL500; 2005 - 03 Mercedes-Benz SL55 AMG; 2005 - 00 Mercedes-Benz SL600; 2005 Mercedes-Benz SL65 AMG; 2007 - 05 Mercedes-Benz SLR McLaren; 2006, 2004 Volkswagen Phaeton
ECH **92-1135C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	529334D000, 529334D200, 529334D800,	2010 - 07 Hyundai Entourage; 2007 - 06 Hyundai Santa Fe; 2008 - 07 Hyundai Veracruz; 2015 - 14, 2008 - 06 Kia Sedona
ECH **92-1136C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	3U2Z14S411M-ZA,	2011 Lexus GS450h; 2010 - 08 Pontiac Vibe
ECH **92-1137C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	529334D700, 529332G200, 529333L100, 529334D700, 529332G000,	2011 - 06 Hyundai Azera; 2010 - 07 Hyundai Elantra; 2009 - 08 Hyundai Santa Fe; 2012 - 08 Hyundai Veracruz; 2010 - 08 Kia Magentis; 2010 - 06 Kia Optima; 2012 - 07 Kia Rondo; 2012 - 09 Kia Sedona
ECH **92-1138C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	0008223306, 4D0907275C, 8223306, 4D0907275, 99760602100, 185189, 99760602101, 224549, 0055422318, 99760602102,	2008 Alfa Romeo 8C; 2003 - 00 Audi A6; 2003 - 00 Audi A6 Quattro; 2000 Audi A8; 2010 - 00 Audi A8 Quattro; 2005 - 01 Audi Allroad Quattro; 2003 Audi RS6; 2010 - 07, 2003 - 01 Audi S8; 2005 - 03 Bentley Continental; 2001 Ferrari 550 Maranello; 2005 - 02 Ferrari 575 M Maranello; 2011 - 06 Ferrari 599 GTB; 2011 - 05 Ferrari 612 Scaglietti; 2007 - 05 Ferrari F430; 2007 - 04 Maserati Coupe; 2009 - 04 Maserati Quattroporte; 2012 - 03 Maybach 57; 2012 - 03 Maybach 62; 2006 - 00 Mercedes-Benz CL500; 2006 - 01 Mercedes-Benz CL55 AMG; 2006 - 01 Mercedes-Benz CL600; 2006 - 05 Mercedes-Benz CL65 AMG; 2005 Mercedes-Benz CLS55 AMG; 2000 Mercedes-Benz E430; 2005 - 00 Mercedes-Benz S430; 2006 - 00 Mercedes-Benz S500; 2006 - 01 Mercedes-Benz S55 AMG; 2006 - 01 Mercedes-Benz S600; 2005 - 00 Mercedes-Benz SL500; 2005 - 03 Mercedes-Benz SL55 AMG; 2005 - 00 Mercedes-Benz SL600; 2005 Mercedes-Benz SL65 AMG; 2007 - 05 Mercedes-Benz SLR McLaren; 2008 - 05 Porsche 911; 2008 - 05 Porsche Boxster; 2006 - 04 Porsche Carrera GT; 2008 - 06 Porsche Cayman; 2006 - 04 Volkswagen Phaeton
ECH **92-1140C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	C2Z15017, C2C41656, RQH500470, LR018860, RQH500112, C2C25519, RQH500461, RQH500460, RQH500471, XR855950, LR010533, C2C40476,	2008 - 05 Jaguar S-Type; 2009 - 05 Jaguar Super V8; 2009 - 04 Jaguar Vanden Plas; 2016 Jaguar XE; 2016 - 09 Jaguar XF; 2015 - 10 Jaguar XFR; 2015 - 13 Jaguar XFR-S; 2011 - 10 Jaguar XJ; 2009 - 03 Jaguar XJ8; 2009 - 03 Jaguar XJR; 2015 - 07 Jaguar XK; 2006 - 05 Jaguar XK8; 2015 - 05 Jaguar XKR; 2015 - 12 Jaguar XKR-S; 2008 - 07 Jaguar X-Type; 2009 - 06 Land Rover LR3; 2009 - 06 Land Rover Range Rover; 2009 - 06 Land Rover Range Rover Sport
ECH **92-1144C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	GN3A37140A, GN3A37140, BBM237140B, GN3A37741, FFY537140, FE013714XA, GN3A37140B, BBM237140, GDDL37140, FE0137140A, BBM237140A,	2013 - 11 Mazda 2; 2013 - 04 Mazda 3; 2013 - 12, 2010 - 09 Mazda 3 Sport; 2017 - 06 Mazda 5; 2021 - 20, 2014 - 05 Mazda 6; 2012 - 07 Mazda CX-7; 2013 - 07 Mazda CX-9; 2013 - 06 Mazda MX-5; 2012 - 06 Mazda MX-5 Miata; 2011 - 04 Mazda RX-8

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NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1145C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**N**	0025406917, 0025408017, 0025404817, 25404817,	2008 - 07 Mercedes-Benz CL550; 2006 Mercedes-Benz CLS55 AMG; 2009 - 07 Mercedes-Benz CLS550; 2009 - 07 Mercedes-Benz CLS63 AMG; 2008 Mercedes-Benz E280; 2006 Mercedes-Benz E320; 2009 - 06 Mercedes-Benz E350; 2009 - 07 Mercedes-Benz E550; 2009 - 07 Mercedes-Benz GL320; 2009 - 07 Mercedes-Benz GL450; 2009 - 08 Mercedes-Benz GL550; 2009 - 07 Mercedes-Benz ML320; 2009 - 06 Mercedes-Benz ML350; 2008 - 06 Mercedes-Benz ML500; 2009 - 08 Mercedes-Benz ML550; 2009 - 07 Mercedes-Benz ML63 AMG; 2009 - 07 Mercedes-Benz R320; 2009 - 06 Mercedes-Benz R350; 2007 - 06 Mercedes-Benz R500; 2008 Mercedes-Benz R550; 2007 Mercedes-Benz R63 AMG; 2009 - 08 Mercedes-Benz S450; 2009 - 07 Mercedes-Benz S550; 2009 - 08 Mercedes-Benz S63 AMG; 2009 - 07 Mercedes-Benz S65 AMG; 2008 - 06 Mercedes-Benz SL55 AMG; 2012 - 07 Mercedes-Benz SL550; 2012 - 09 Mercedes-Benz SL63 AMG; 2009 - 08 Mercedes-Benz SLR McLaren
ECH **92-1146C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	426070E011, 4260733020,	2006 Lexus RX330; 2015 - 07 Lexus RX350; 2008 - 07 Lexus RX400h; 2015 Lexus RX450h
ECH **92-1147**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	95536166100, 7L0907275, 95536166101, 7L0907275B, 224551,	2004 - 03 Ferrari Enzo; 2007 - 03 Porsche Cayenne; 2007 - 04 Volkswagen Touareg
ECH **92-1148**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	36142360419, 36118378681,	1999 BMW 318ti; 2000 BMW 323Ci; 2000 - 1999 BMW 323i; 1999 BMW 323is; 2004 - 01 BMW 325Ci; 2004 - 01 BMW 325i; 2004 - 01 BMW 325xi; 2000 BMW 328Ci; 2000 - 1999 BMW 328i; 1999 BMW 328is; 2004 - 01 BMW 330Ci; 2006 - 01 BMW 330i; 2004 - 01 BMW 330xi; 2002 - 01 BMW 525i; 2000 - 1997 BMW 528i; 2002 - 01 BMW 530i; 2002 - 1997 BMW 540i; 2001 - 1997 BMW 740i; 2001 - 1997 BMW 740iL; 2002 BMW 745i; 2002 BMW 745Li; 2001 - 1997 BMW 750iL; 2001 BMW M3; 2003 - 00 BMW M5; 2002 - 00 BMW Z3
ECH **92-1149C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	1K0907255A, 1K0907253D, 1K0907255C, 1K0907253A,	2013 - 06 Audi A3; 2013 - 06 Audi A3 Quattro; 2011 - 09 Audi A4; 2011 - 09 Audi A4 Quattro; 2011 - 08 Audi A5; 2011 - 08 Audi A5 Quattro; 2012 - 09 Audi Q5; 2011 - 09 Audi S4; 2011 - 08 Audi S5; 2010 - 06 Audi TT; 2010 - 06 Audi TT Quattro; 2010 - 08 Volkswagen Beetle; 2011 - 09 Volkswagen CC; 2016 - 07 Volkswagen Eos; 2011 - 06 Volkswagen Golf; 2010 Volkswagen Golf City; 2012 - 06 Volkswagen GTI; 2010 - 06 Volkswagen Jetta; 2009 - 08 Volkswagen Jetta City; 2010 - 06 Volkswagen Passat; 2008 Volkswagen R32; 2009 - 06 Volkswagen Rabbit; 2011 - 09 Volkswagen Tiguan
ECH **92-1150C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	LR010537, LR058024, LR021936, LR000590, LR018859, LR003135, LR032833, LR066379, LR031713,	2015 - 08 Land Rover LR2; 2016 - 10 Land Rover LR4; 2015 - 10 Land Rover Range Rover; 2019 - 12 Land Rover Range Rover Evoque; 2015 - 10 Land Rover Range Rover Sport
ECH **92-1154C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	25740352,	2008 Cadillac CTS
ECH **92-1155**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	15184705, 25774007,	2007 - 06 Cadillac CTS; 2006 - 05 Cadillac SRX; 2006 Chevrolet SSR; 2009 - 06 Chevrolet Trailblazer; 2007 - 06 Isuzu Ascender
ECH **92-1159**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	10354987, 20807214,	2004 - 1997 Chevrolet Corvette

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NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1160**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	4F0907275, 4F0907275B, 7P0907275, 4F0907275D, 95836166150,	2019 - 17 Aston Martin DB11; 2015 - 10 Aston Martin DB9; 2012 - 08 Aston Martin DBS; 2011 Aston Martin Rapide; 2017, 2015, 2013 - 10 Aston Martin V12 Vantage; 2017, 2015 - 10 Aston Martin V8 Vantage; 2015 - 14 Aston Martin Vanquish; 2012 Aston Martin Virage; 2009 - 02 Audi A4; 2008 - 02 Audi A4 Quattro; 2011 - 04 Audi A6; 2011 - 04 Audi A6 Quattro; 2010 - 07 Audi Q7; 2018 - 08 Audi R8; 2008 - 07 Audi RS4; 2018 - 14 Audi RS7; 2008 - 04, 2002 Audi S4; 2011 - 07 Audi S6; 2009 - 08 Bentley Arnage; 2010 - 07 Bentley Azure; 2009 - 08 Bentley Brooklands; 2018, 2016 - 05 Bentley Continental; 2018 - 13 Bentley Flying Spur; 2018 - 11 Bentley Mulsanne; 2012 - 10 Ferrari 458 Italia; 2013 - 09 Ferrari California; 2017 Ferrari California T; 2015 - 14 Ferrari LaFerrari; 2018 - 12 Lamborghini Aventador; 2014 - 07 Lamborghini Gallardo; 2018 - 15 Lamborghini Huracan; 2010 - 07 Lamborghini Murcielago; 2005 Maserati GranSport; 2012 - 08 Maserati GranTurismo; 2012 - 10 Maserati Quattroporte; 2005 - 02 Maserati Spyder; 2015 McLaren 650S; 2014 - 12 McLaren MP4-12C; 2015 - 14 McLaren P1; 2016 - 09 Porsche 911; 2015 Porsche 918 Spyder; 2016 - 08 Porsche Boxster; 2014 - 08 Porsche Cayenne; 2016 - 14, 2012 - 09 Porsche Cayman; 2012 - 10 Porsche Panamera; 2010 - 08 Tesla Roadster; 2015 - 08 Volkswagen Touareg
ECH **92-1162**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	36146752128, YDB000061, YDB000060, 18YDB000060, 36146872887,	2004 - 00 BMW X5; 2005 Land Rover LR3; 2005 - 02 Land Rover Range Rover
ECH **92-1163C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	42753SWA315, 42753SWAA04, 42753SWA305,	2012 - 08 Honda Accord; 2011 - 07 Honda CR-V
ECH **92-1164C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	42753SWAA54, 42753SWA306, 42753SWA316,	2012 - 08 Honda Accord; 2011 - 07 Honda CR-V; 2008 Honda Fit
ECH **92-1165C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**K**	06421SCV305, 06421SCVA00,	2008 - 06 Honda Element; 2007 - 05 Honda Odyssey
ECH **92-1167C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	42753S2A305, 42753S2A315,	2009 - 08 Honda S2000
ECH **92-1168C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	42753SNAA83, 42753TR3A81, 42753SNAA81, 42753SNAA82, 42753TR0A81,	2011 - 08 Acura CSX; 2014 - 08 Honda Civic; 2015 - 11 Honda CR-Z; 2011 - 09 Honda Element; 2014 - 09 Honda Fit; 2014 - 10 Honda Insight; 2017 - 11 Honda Odyssey
ECH **92-1169C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**K**	06421S3VA02, 06421S3VA04, 06421S3VA03, 06421S3VA01,	2006 - 04 Acura MDX; 2008 - 05 Acura RL; 2008 - 05 Acura TL; 2007 - 05 Honda Odyssey; 2008 - 05 Honda Pilot; 2014 - 06 Honda Ridgeline; 2008 - 06 Hyundai Sonata; 2008 - 07 Hyundai Tiburon; 2010 - 06 Hyundai Tucson; 2009 - 07 Kia Amanti; 2010 - 05 Kia Sorento; 2008 - 05 Kia Sportage
ECH **92-1172C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	4260775010,	2012 - 10 Lexus HS250h
ECH **92-1173C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	4313057L00,	2013 - 10 Suzuki Kizashi

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ECH **92-1175C**	*ECH* **92-4006R/** *ECH* **92-4006M**	**A**	A0009057200, 0025409017, 0025408617, 002540901728, 003540021728, 0009054100, 0009057200, 0035400217,	2020 - 09 Chrysler 300; 2021 - 08 Dodge Challenger; 2021, 2017 - 09 Dodge Charger; 2017 - 15 Dodge Viper; 2017 - 14 Freightliner Sprinter 2500; 2018 - 14 Freightliner Sprinter 3500; 2015 - 12 Jeep Grand Cherokee; 2014 Mercedes-Benz C180; 2014 - 12 Mercedes-Benz C200; 2009 - 08 Mercedes-Benz C230; 2014 - 10 Mercedes-Benz C250; 2008 Mercedes-Benz C280; 2014 - 08 Mercedes-Benz C300; 2014 - 07 Mercedes-Benz C350; 2014 - 08 Mercedes-Benz C63 AMG; 2013 - 10 Mercedes-Benz CL500; 2014 - 10 Mercedes-Benz CL550; 2014 - 10 Mercedes-Benz CL600; 2014 - 10 Mercedes-Benz CL63 AMG; 2014 - 10 Mercedes-Benz CL65 AMG; 2014 Mercedes-Benz CLA200; 2014 Mercedes-Benz CLA250; 2015 - 14 Mercedes-Benz CLA45 AMG; 2009 - 06 Mercedes-Benz CLK350; 2008 - 06 Mercedes-Benz CLK500; 2006 Mercedes-Benz CLK55 AMG; 2009 - 07 Mercedes-Benz CLK550; 2009 - 07 Mercedes-Benz CLK63 AMG; 2014 Mercedes-Benz CLS350; 2016 Mercedes-Benz CLS400; 2014 - 12 Mercedes-Benz CLS500; 2018 - 16, 2014 - 12 Mercedes-Benz CLS550; 2014 - 12 Mercedes-Benz CLS63 AMG; 2018 - 16, 2014 Mercedes-Benz CLS63 AMG S; 2014 Mercedes-Benz E200; 2016, 2014 Mercedes-Benz E250; 2012 - 10 Mercedes-Benz E300; 2016, 2014 - 10 Mercedes-Benz E350; 2016, 2014 - 13 Mercedes-Benz E400; 2014 Mercedes-Benz E500; 2016, 2014 - 10 Mercedes-Benz E550; 2016, 2014 - 10 Mercedes-Benz E63 AMG; 2016, 2014 Mercedes-Benz E63 AMG S; 2011 - 07 Mercedes-Benz G500; 2011 - 07 Mercedes-Benz G55 AMG; 2015 - 09 Mercedes-Benz G550; 2015 - 13 Mercedes-Benz G63 AMG; 2014 - 10 Mercedes-Benz GL350; 2014 - 10 Mercedes-Benz GL450; 2014 - 10 Mercedes-Benz GL550; 2014 - 13 Mercedes-Benz GL63 AMG; 2014 - 13 Mercedes-Benz GLK250; 2014 - 10 Mercedes-Benz GLK350; 2014 - 10 Mercedes-Benz ML350; 2011 - 10 Mercedes-Benz ML450; 2014 - 10 Mercedes-Benz ML550; 2014 - 10 Mercedes-Benz ML63 AMG; 2013 - 10 Mercedes-Benz R350; 2013 - 12 Mercedes-Benz S350; 2013 - 10 Mercedes-Benz S400; 2011 - 10 Mercedes-Benz S450; 2014 - 13, 2011 - 10 Mercedes-Benz S500; 2014 - 10 Mercedes-Benz S550; 2013 - 10 Mercedes-Benz S600; 2014 - 10 Mercedes-Benz S63 AMG; 2013 - 10 Mercedes-Benz S65 AMG; 2014 Mercedes-Benz SL500; 2014 - 13 Mercedes-Benz SL550; 2014 - 13 Mercedes-Benz SL63 AMG; 2014 - 13 Mercedes-Benz SL65 AMG; 2014 - 12 Mercedes-Benz SLK250; 2008 - 07 Mercedes-Benz SLK280; 2011 - 09 Mercedes-Benz SLK300; 2014 - 07 Mercedes-Benz SLK350; 2014 - 07 Mercedes-Benz SLK55 AMG; 2013 - 11 Mercedes-Benz SLS AMG; 2018 - 13 Mercedes-Benz Sprinter 2500; 2018 - 13 Mercedes-Benz Sprinter 3500; 2015 - 08 Smart Fortwo; 2014 - 13 SRT Viper
ECH **92-1177C**	*ECH* **92-4006R/** *ECH* **92-4006M**	**O**	42753SHJ305, 42753SHJA53,	2012 - 09 Acura RL; 2010 - 08 Honda Odyssey; 2014 - 09 Honda Ridgeline
ECH **92-1178C**	*ECH* **92-4006R/** *ECH* **92-4006M**	**C**	312009230, 31200923, 312009236, 307489910,	2009 - 04 Volvo S60; 2006 - 04 Volvo S80; 2007 - 04 Volvo V70; 2007 - 04 Volvo XC70; 2014 - 04 Volvo XC90
ECH **92-1178RC**	*ECH* **92-4006R/** *ECH* **92-4006M**	**C**	31200923X,	2009 - 04 Volvo S60; 2006 - 04 Volvo S80; 2007 - 04 Volvo V70; 2007 - 04 Volvo XC70; 2014 - 04 Volvo XC90
ECH **92-1179C**	*ECH* **92-4006R/** *ECH* **92-4006M**	**C**	DE8T1A180AA, 9L3Z1A189A, ZZDA37140, CM5T1A150AA,	2018 - 13 Ford C-Max; 2014 - 10 Ford E-150; 2014 - 10 Ford E-250; 2019 - 10 Ford E-350 Super Duty; 2019 - 10 Ford E-450 Super Duty; 2014 - 11 Ford Edge; 2019 - 09 Ford Escape; 2017 - 11 Ford Expedition; 2015 - 11 Ford Explorer; 2014 - 09 Ford F-150; 2016 - 10 Ford F-250 Super Duty; 2016 - 09 Ford F-350 Super Duty; 2016 - 09 Ford F-450 Super Duty; 2017 - 11 Ford Fiesta; 2015 - 11 Ford Fiesta Ikon; 2019 - 11 Ford Flex; 2018 - 10 Ford Focus; 2016 - 10 Ford Fusion; 2014 - 13 Ford Mustang; 2019 - 13 Ford Police Interceptor Sedan; 2015 - 13 Ford Police Interceptor Utility; 2016 - 14 Ford Special Service Police Sedan; 2019 - 10 Ford Taurus; 2019 - 10 Ford Transit; 2018 - 10 Ford Transit Connect; 2019 - 15 Ford Transit-150; 2019 - 15 Ford Transit-250; 2019 - 15 Ford Transit-350; 2020 - 15 Ford Transit-350 HD; 2018 - 15 Lincoln MKC; 2015 - 11 Lincoln MKS; 2019 - 11 Lincoln MKT; 2015 - 11 Lincoln MKX; 2016 - 10 Lincoln MKZ; 2017 - 11 Lincoln Navigator; 2011 - 09 Mazda Tribute; 2011 - 09 Mercury Mariner; 2011 - 10 Mercury Milan; 2012 - 11 VPG MV-1

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ECH **92-1179RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	9L3Z1A189A,	2018 - 13 Ford C-Max; 2014 - 10 Ford E-150; 2014 - 10 Ford E-250; 2016 - 10 Ford E-350 Super Duty; 2014 - 10 Ford E-450 Super Duty; 2014 - 11 Ford Edge; 2019 - 09 Ford Escape; 2017 - 11 Ford Expedition; 2015 - 11 Ford Explorer; 2014 - 09 Ford F-150; 2016 - 10 Ford F-250 Super Duty; 2016 - 09 Ford F-350 Super Duty; 2016 - 09 Ford F-450 Super Duty; 2017 - 11 Ford Fiesta; 2019 - 11 Ford Flex; 2018 - 10 Ford Focus; 2016 - 10 Ford Fusion; 2014 - 10 Ford Mustang; 2016 - 13 Ford Police Interceptor Sedan; 2015 - 13 Ford Police Interceptor Utility; 2017 - 15 Ford Special Service Police Sedan; 2019 - 10 Ford Taurus; 2019 - 10 Ford Transit; 2018 - 10 Ford Transit Connect; 2016 - 15 Ford Transit-150; 2016 - 15 Ford Transit-250; 2016 - 15 Ford Transit-350; 2020 - 15 Ford Transit-350 HD; 2016 - 15 Lincoln MKC; 2015 - 11 Lincoln MKS; 2016 - 11 Lincoln MKT; 2015 - 11 Lincoln MKX; 2017 - 10 Lincoln MKZ; 2016 - 11 Lincoln Navigator; 2011 - 09 Mazda Tribute; 2011 - 09 Mercury Mariner; 2011 - 10 Mercury Milan; 2012 - 11 VPG MV-1
ECH **92-1180C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	42753SHJ306, 42753SHJA82,	2010 - 08 Honda Odyssey
ECH **92-1182C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	20951302, 12768826, 20922900,	2010 - 09 Buick Allure; 2019 - 16 Buick Cascada; 2015 - 10 Buick LaCrosse; 2012 - 11 Buick Regal; 2013 - 12 Buick Verano; 2018 Cadillac ATS; 2018 Cadillac CT6; 2018 Cadillac CTS; 2019, 2017 - 16 Cadillac Escalade; 2016, 2013 - 10 Cadillac SRX; 2019 Cadillac XT4; 2019 - 18, 2014 - 13 Cadillac XTS; 2015 - 10 Chevrolet Camaro; 2017 - 15 Chevrolet Colorado; 2015 - 11 Chevrolet Cruze; 2014 - 10 Chevrolet Equinox; 2019, 2011 Chevrolet Malibu; 2020 - 19, 2015 - 12 Chevrolet Sonic; 2019, 2015 - 12 Chevrolet Spark; 2015 - 14 Chevrolet Spark EV; 2017 - 15 Chevrolet Suburban; 2019, 2017 - 14 Chevrolet Tahoe; 2013 - 11 Chevrolet Volt; 2019 GMC Canyon; 2014 - 10 GMC Terrain; 2011 Saab 9-4X; 2011 - 10 Saab 9-5
ECH **92-1182RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	20951302, 20922900, 12768826,	2010 - 09 Buick Allure; 2017 - 16 Buick Cascada; 2015 - 10 Buick LaCrosse; 2012 - 11 Buick Regal; 2013 - 12 Buick Verano; 2015 - 13 Cadillac ATS; 2018 - 17 Cadillac CT6; 2018 - 17, 2015 - 14 Cadillac CTS; 2017 - 16 Cadillac Escalade; 2017, 2015 Cadillac Escalade ESV; 2016, 2013 - 10 Cadillac SRX; 2019 Cadillac XT4; 2014 - 13 Cadillac XTS; 2015 - 10 Chevrolet Camaro; 2017 - 15 Chevrolet Colorado; 2015 - 11 Chevrolet Cruze; 2017, 2014 - 10 Chevrolet Equinox; 2017 Chevrolet Impala; 2011 Chevrolet Malibu; 2017 - 14 Chevrolet Silverado 1500; 2017 - 16 Chevrolet Silverado 2500; 2017, 2015 Chevrolet Silverado 2500 HD; 2017 - 16 Chevrolet Silverado 3500; 2017, 2015 Chevrolet Silverado 3500 HD; 2015 - 12 Chevrolet Sonic; 2019, 2015 - 12 Chevrolet Spark; 2017 - 15 Chevrolet Suburban; 2017 - 14 Chevrolet Tahoe; 2013 - 11 Chevrolet Volt; 2017 - 16 GMC Canyon; 2014 GMC Sierra; 2017, 2015 - 14 GMC Sierra 1500; 2017, 2015 GMC Sierra 2500 HD; 2017, 2015 GMC Sierra 3500 HD; 2017, 2014 - 10 GMC Terrain; 2017, 2015 GMC Yukon; 2017, 2015 GMC Yukon XL; 2011 Saab 9-4X; 2011 - 10 Saab 9-5
ECH **92-1184**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	92186507,	2013 - 09 Cadillac CTS; 2009 Cadillac STS; 2013 - 10 Chevrolet Corvette
ECH **92-1185C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**E**	8C2Z1A189A,	2010 - 06 Ford E-150; 2008 - 07 Ford E-150 Econoline; 2010 - 07 Ford E-250; 2010 - 07 Ford E-350 Super Duty; 2010 - 07 Ford E-450 Super Duty; 2008 - 06 Ford F-150; 2010 - 06 Ford F-250 Super Duty; 2009 - 06 Ford F-350 Super Duty; 2009 - 08 Ford F-450 Super Duty; 2008 - 07 Lincoln Mark LT
ECH **92-1186C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**E**	7L1Z1A189A, 8T4Z1A189A,	2010 - 07 Ford Edge; 2010 - 07 Ford Expedition; 2007 - 06 Ford Five Hundred; 2010 - 09 Ford Flex; 2010 - 08 Ford Taurus; 2009 - 08 Ford Taurus X; 2010 - 09 Lincoln MKS; 2010 Lincoln MKT; 2010 - 07 Lincoln MKX; 2010 - 07 Lincoln Navigator; 2007 - 06 Mercury Montego; 2009 - 08 Mercury Sable
ECH **92-1187C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	4260752010, 4260752030, 4260733011, 4260702010,	2017 - 11 Lexus CT200h; 2012 - 07 Lexus ES350; 2006 - 05 Lexus GS300; 2011 - 07 Lexus GS350; 2007 - 06 Lexus GS430; 2010 - 07 Lexus GS450h; 2011 - 08 Lexus GS460; 2017 - 11 Lexus GX460; 2009 - 04 Lexus GX470; 2014 - 08 Lexus IS F; 2015 - 06 Lexus IS250; 2015 - 06 Lexus IS350; 2012 Lexus LFA; 2012 - 07 Lexus LS460; 2012 - 08 Lexus LS600h; 2007 - 05 Lexus LX470; 2016 - 13, 2011 - 08 Lexus LX570; 2006 Lexus RX330; 2015 - 07 Lexus RX350; 2008 - 06 Lexus RX400h; 2015 - 10 Lexus RX450h; 2010 - 06 Lexus SC430; 2015 - 12 Scion iQ; 2016 - 06 Scion tC; 2015 - 08 Scion xB; 2014 - 08 Scion xD; 2017 - 03 Toyota 4Runner; 2013 - 06 Toyota Avalon; 2011 - 06 Toyota Camry; 2013 - 07 Toyota Corolla; 2014 - 07 Toyota FJ Cruiser; 2013 - 07 Toyota Highlander; 2015 - 05 Toyota Land Cruiser; 2014 - 07 Toyota Matrix; 2015 - 06 Toyota Prius; 2019 - 12 Toyota Prius C; 2015 - 12 Toyota Prius Plug-In; 2016 - 12 Toyota Prius V; 2013 - 06 Toyota RAV4; 2007 - 04 Toyota Sequoia; 2008 - 06 Toyota Solara; 2015 - 05 Toyota Tacoma; 2006 - 05 Toyota Tundra; 2016 - 09 Toyota Venza; 2012 - 07 Toyota Yaris

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ECH **92-1188**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	42753TP6A82,	2011 - 10 Honda Accord Crosstour; 2015 - 12 Honda Crosstour; 2014 - 12 Honda CR-V
ECH **92-1190C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	313020960, 31414189, 31445474, 31302096, 31341893, 31280297X, 312802970, 31280297,	2013 - 07 Volvo C30; 2013 - 06 Volvo C70; 2012 - 04 Volvo S40; 2019 - 11 Volvo S60; 2017 - 16 Volvo S60 Cross Country; 2016 - 07 Volvo S80; 2011 - 05 Volvo V50; 2019 - 15 Volvo V60; 2017 - 15 Volvo V60 Cross Country; 2010 - 08 Volvo V70; 2019 - 10 Volvo XC60; 2016 - 08 Volvo XC70; 2014 - 11, 2008 Volvo XC90
ECH **92-1192**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	7B0907253A, 7B0907253F, 7B0907253, 7B0907253G,	2010 - 09 Volkswagen Routan
ECH **92-1194C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	529332F000, 529332F000U,	2011 - 06 Hyundai Accent; 2013 - 11 Hyundai Equus; 2014 - 09 Hyundai Genesis; 2010 - 06 Hyundai Sonata; 2013 - 11 Hyundai Tucson; 2011 - 09 Kia Borrego; 2011 - 06 Kia Rio; 2011 - 07 Kia Rio5; 2009 - 06 Kia Spectra; 2009 - 07 Kia Spectra5; 2013 - 09 Kia Sportage
ECH **92-1195**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	42753TX4A51,	2015 - 14 Acura MDX; 2015 - 13 Acura RDX; 2020 - 16 Acura RLX
ECH **92-1196**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	42753TX6A81,	2015 - 13 Acura ILX
ECH **92-1197**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	529333N000, 52933A5000, 529332M500,	2014 Hyundai Accent; 2017 - 15 Hyundai Elantra GT; 2016 - 14 Hyundai Equus; 2016 - 14 Hyundai Genesis Coupe; 2018 - 12 Hyundai Santa Fe; 2018 - 13 Hyundai Santa Fe Sport; 2018 - 14 Hyundai Santa Fe XL; 2016 - 10 Hyundai Sonata; 2016 - 14 Kia Cadenza
ECH **92-1199**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	529332V000,	2017 - 12 Hyundai Veloster
ECH **92-1200**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	529330W100,	2012 - 09 Hyundai Santa Fe
ECH **92-1201**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	529333V000,	2013 - 12 Hyundai Azera
ECH **92-1202**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	BHA437140, BHA437140A,	2020 - 17 Fiat 124 Spider; 2015 - 14 Mazda 2; 2019 - 18 Mazda 6; 2021 - 19 Mazda CX-3; 2021 - 17 Mazda CX-5; 2019 - 18, 2015 - 14 Mazda CX-9; 2019 - 18, 2015 - 14 Mazda MX-5; 2020 - 18, 2015 - 12 Mazda MX-5 Miata
ECH **92-1204C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407003AN0D, 407703AN0D, 407003AN0B, 407003AN0A,	2019 - 12 Nissan Frontier; 2015 - 12, 2007 Nissan Maxima; 2020, 2017 Nissan NV200; 2012 Nissan Pathfinder; 2019 - 13 Nissan Sentra; 2019 - 12 Nissan Versa; 2016 - 14 Nissan Versa Note; 2015 - 12 Nissan Xterra
ECH **92-1206**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407003JA0A, 407003JA0B,	2013 Infiniti JX35; 2021 - 17 Infiniti Q50; 2021 - 16 Infiniti Q60; 2019 - 14 Infiniti QX60; 2018 - 13 Nissan Altima; 2018 - 15 Nissan Maxima; 2018 - 15 Nissan Murano; 2018 - 13 Nissan Pathfinder
ECH **92-1208**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	4260752020, 4260706020, 426070D010,	2016 Scion iM; 2019 - 17 Toyota 86; 2019 - 13 Toyota Avalon; 2019 - 12 Toyota Camry; 2019 - 14 Toyota Corolla; 2018 - 17 Toyota Corolla iM; 2019 - 14 Toyota Highlander; 2020 - 16 Toyota Mirai; 2019 - 16 Toyota Prius; 2017 Toyota Prius Prime; 2018 - 17 Toyota Prius V; 2018 - 13 Toyota RAV4; 2019 - 12 Toyota Yaris; 2017 Toyota Yaris iA
ECH **92-1210**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	SU00306090, SU00300754, SU00307506,	2020 Toyota 86
ECH **92-1211C**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	42753STKA02, 42753STKA03, 42753STKA01, 42753STKA04,	2013 - 07 Acura MDX; 2012 - 07 Acura RDX; 2014 - 07 Acura TSX; 2015 - 09 Honda Pilot
ECH **92-1212**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**Q**	3AA907275, 3AA907275D, 3AA907275F, 3AA907275B,	2017 - 11 Volkswagen CC
ECH **92-1215**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**J**	22910333, 20964159,	2016 - 13 Cadillac ATS; 2019, 2017 - 14 Cadillac CTS; 2015 - 12 Chevrolet Camaro; 2017 - 15 Chevrolet SS

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ECH **92-1216**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	407001PA0A,	2021 - 12 Nissan NV1500; 2021, 2019 - 18, 2016 - 15 Nissan NV200; 2021 - 12 Nissan NV2500; 2021 - 12 Nissan NV3500
ECH **92-1217**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68137699AA,	2008 Dodge Ram 1500; 2008 Dodge Ram 2500
ECH **92-1224**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**T**	36106798872, 36106890964, 36106874830,	2014 - 12 BMW 320i; 2014 BMW 320i xDrive; 2014 BMW 328d; 2014 BMW 328d xDrive; 2014 BMW 328i; 2014 BMW 328i GT xDrive; 2014 BMW 328i xDrive; 2014 BMW 335i; 2014 BMW 335i GT xDrive; 2014 BMW 335i xDrive; 2014 BMW 428i; 2014 BMW 428i xDrive; 2014 BMW 435i; 2014 BMW 435i xDrive; 2016 - 14 BMW 528i; 2016 - 14 BMW 528i xDrive; 2016 - 14 BMW 535d; 2016 - 14 BMW 535d xDrive; 2016 - 14 BMW 535i; 2017 - 14 BMW 535i GT; 2017 - 14 BMW 535i GT xDrive; 2016 - 14 BMW 535i xDrive; 2016 - 14 BMW 550i; 2015 - 14 BMW 550i GT; 2017 - 14 BMW 550i GT xDrive; 2016 - 14 BMW 550i xDrive; 2018 - 14 BMW 640i; 2019 - 14 BMW 640i Gran Coupe; 2018 - 14 BMW 640i xDrive; 2019 - 14 BMW 640i xDrive Gran Coupe; 2018 - 14 BMW 650i; 2019 - 14 BMW 650i Gran Coupe; 2018 - 14 BMW 650i xDrive; 2019, 2017 - 14 BMW 650i xDrive Gran Coupe; 2015 - 14 BMW 740i; 2015 BMW 740Ld xDrive; 2015 - 14 BMW 740Li; 2015 - 14 BMW 740Li xDrive; 2016 - 14 BMW 750i; 2015 - 14 BMW 750i xDrive; 2015 - 14 BMW 750Li; 2015 - 14 BMW 750Li xDrive; 2015 - 14 BMW 760Li; 2014 - 13 BMW ActiveHybrid 3; 2016 - 14 BMW ActiveHybrid 5; 2015 - 14 BMW ActiveHybrid 7; 2018 - 15 BMW Alpina B6 xDrive Gran Coupe; 2014 BMW Alpina B7; 2019 - 18 BMW M2; 2015 - 14 BMW M5; 2017 - 14 BMW M6; 2018 - 14 BMW M6 Gran Coupe; 2015 - 14 BMW X1; 2017 - 14 BMW X3; 2021 - 15 BMW X4; 2016 - 14 BMW Z4; 2016 - 14 Mini Cooper; 2016 Mini Cooper Clubman; 2021 - 17, 2014 Mini Cooper Countryman; 2014 - 13 Mini Cooper Paceman
ECH **92-1225RC**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68142397AA, 7B0907253E, 68406537AA, 56029398AB, 68359037AA, 7B0907253C, 7B0907253B, 56029398AA, 68241067AB, 7B0907253H, 68241067AA,	2021 - 10 Chrysler 300; 2016 - 11 Chrysler Town & Country; 2021 - 10 Dodge Challenger; 2021 - 17, 2015 - 10 Dodge Charger; 2015 - 11 Dodge Durango; 2020 - 11 Dodge Grand Caravan; 2020 - 10 Dodge Journey; 2010 Dodge Ram 1500; 2010 Dodge Ram 2500; 2010 Dodge Ram 3500; 2010 Dodge Ram 4500; 2010 Dodge Ram 5500; 2019 - 12 Fiat 500; 2020 - 14 Fiat 500L; 2015 - 11 Jeep Grand Cherokee; 2020 - 11 Jeep Wrangler; 2018 Jeep Wrangler JK; 2013 - 11 Ram 1500; 2013 - 11 Ram 2500; 2013 - 11 Ram 3500; 2015 - 12 Ram C/V; 2014 - 11 Volkswagen Routan
ECH **92-1226**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	5154876AA, 5154876AC, 05154876AA, 5154876AB,	2020 - 15 Alfa Romeo 4C; 2020 - 17 Maserati Levante; 2017, 2014 Ram ProMaster; 2021 - 14 Ram ProMaster 1500; 2021 - 14 Ram ProMaster 2500; 2021 - 14 Ram ProMaster 3500; 2020 - 15 Ram ProMaster City
ECH **92-1227**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	F2GZ1A189A, GL3T1A180GB, F2GT1A180AB,	2021 - 18 Ford EcoSport; 2021 - 15 Ford Edge; 2020 - 18 Ford Expedition; 2019 - 16 Ford Explorer; 2021 - 15 Ford F-150; 2019 - 18 Ford Fiesta; 2021 - 15 Ford Mustang; 2021 Ford Mustang Mach-E; 2019, 2017 - 16 Ford Police Interceptor Utility; 2019 Ford Ranger; 2021 - 19 Ford Transit Connect; 2016 Lincoln MKS; 2018 - 16 Lincoln MKX
ECH **92-1231**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407003AN1B	2014 - 11 Nissan Cube; 2011 Nissan Juke; 2017 - 13 Nissan Leaf; 2017 - 13 Nissan Sentra; 2019 - 12 Nissan Versa; 2017 - 14 Nissan Versa Note
ECH **92-1232**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68157568AA, 68239720AA, 68239720AC, 68249197AA, 68239720AB, 68157568AB,	2021 - 14 Jeep Cherokee; 2018 - 14 Ram 1500; 2021 - 19 Ram 1500 Classic; 2021 - 14 Ram 2500; 2020 - 14 Ram 3500; 2020 - 14 Ram 4500; 2020 - 14 Ram 5500
ECH **92-1234**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	426070R010,	2019 - 14 Toyota Highlander; 2018 - 13 Toyota RAV4

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ECH **92-1237**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	0009053907, 0009050030,	2019 - 18 Mercedes-Benz A200; 2020 - 17 Mercedes-Benz AMG GT; 2019 - 18 Mercedes-Benz AMG GT R; 2019 - 16 Mercedes-Benz AMG GT S; 2015 - 14 Mercedes-Benz B Electric Drive; 2019 - 18, 2014 - 13 Mercedes-Benz B250; 2017 - 16 Mercedes-Benz B250e; 2014 Mercedes-Benz C180; 2014 Mercedes-Benz C200; 2015 - 14 Mercedes-Benz C250; 2021 - 14 Mercedes-Benz C300; 2015 - 14 Mercedes-Benz C350; 2018 - 16 Mercedes-Benz C350e; 2015 Mercedes-Benz C400; 2021 - 17 Mercedes-Benz C43 AMG; 2016 Mercedes-Benz C450 AMG; 2021 - 14 Mercedes-Benz C63 AMG; 2021 - 15 Mercedes-Benz C63 AMG S; 2014 Mercedes-Benz CL550; 2014 Mercedes-Benz CL600; 2014 Mercedes-Benz CL63 AMG; 2014 Mercedes-Benz CL65 AMG; 2014 Mercedes-Benz CLA200; 2019 - 14 Mercedes-Benz CLA250; 2019 - 14 Mercedes-Benz CLA45 AMG; 2014 Mercedes-Benz CLS350; 2016 - 15 Mercedes-Benz CLS400; 2014 Mercedes-Benz CLS500; 2017 - 14 Mercedes-Benz CLS550; 2014 Mercedes-Benz CLS63 AMG; 2017 - 14 Mercedes-Benz CLS63 AMG S; 2014 Mercedes-Benz E200; 2016 - 14 Mercedes-Benz E250; 2016 - 14 Mercedes-Benz E350; 2017 - 14 Mercedes-Benz E400; 2014 Mercedes-Benz E500; 2016 - 14 Mercedes-Benz E550; 2016 - 14 Mercedes-Benz E63 AMG; 2016 - 14 Mercedes-Benz E63 AMG S; 2018 - 15 Mercedes-Benz G550; 2018 - 17 Mercedes-Benz G550 4x4; 2018 - 15 Mercedes-Benz G63 AMG; 2018, 2016 Mercedes-Benz G65 AMG; 2016 - 14 Mercedes-Benz GL350; 2016 - 14 Mercedes-Benz GL450; 2016 - 14 Mercedes-Benz GL550; 2016 - 14 Mercedes-Benz GL63 AMG; 2020 - 15 Mercedes-Benz GLA250; 2019 - 15 Mercedes-Benz GLA45 AMG; 2020 Mercedes-Benz GLB250; 2020 - 16 Mercedes-Benz GLC300; 2020 - 18 Mercedes-Benz GLC350e; 2020 - 17 Mercedes-Benz GLC43 AMG; 2020 - 18 Mercedes-Benz GLC63 AMG; 2020 - 18 Mercedes-Benz GLC63 AMG S; 2016 Mercedes-Benz GLE300d; 2018 - 16 Mercedes-Benz GLE350; 2016 Mercedes-Benz GLE350d; 2019 - 16 Mercedes-Benz GLE400; 2019 - 17 Mercedes-Benz GLE43 AMG; 2019 Mercedes-Benz GLE450; 2017 - 16 Mercedes-Benz GLE450 AMG; 2019 Mercedes-Benz GLE500e; 2018 - 16 Mercedes-Benz GLE550e; 2019 - 16 Mercedes-Benz GLE63 AMG; 2019 - 16 Mercedes-Benz GLE63 AMG S; 2015 - 14 Mercedes-Benz GLK250; 2015 - 14 Mercedes-Benz GLK350; 2017 Mercedes-Benz GLS350d; 2019 - 17 Mercedes-Benz GLS450; 2019 - 17 Mercedes-Benz GLS550; 2019 - 17 Mercedes-Benz GLS63 AMG; 2017 Mercedes-Benz Maybach S550; 2020 - 18 Mercedes-Benz Maybach S560; 2017 - 16 Mercedes-Benz Maybach S600; 2020 - 18 Mercedes-Benz Maybach S650; 2015 Mercedes-Benz ML250; 2015 - 14 Mercedes-Benz ML350; 2015 Mercedes-Benz ML400; 2014 Mercedes-Benz ML550; 2015 - 14 Mercedes-Benz ML63 AMG; 2020 - 18 Mercedes-Benz S450; 2018 - 14 Mercedes-Benz S500; 2017 - 14 Mercedes-Benz S550; 2017 - 15 Mercedes-Benz S550e; 2021 - 18 Mercedes-Benz S560; 2017 - 15 Mercedes-Benz S600; 2020 - 14 Mercedes-Benz S63 AMG; 2020 - 15 Mercedes-Benz S65 AMG; 2016 - 15 Mercedes-Benz SL400; 2020 - 17 Mercedes-Benz SL450; 2014 Mercedes-Benz SL500; 2020 - 14 Mercedes-Benz SL550; 2019 - 14 Mercedes-Benz SL63 AMG; 2019 - 14 Mercedes-Benz SL65 AMG; 2020 - 17 Mercedes-Benz SLC300; 2020 - 17 Mercedes-Benz SLC43 AMG; 2015 Mercedes-Benz SLK250; 2016 Mercedes-Benz SLK300; 2016 - 15 Mercedes-Benz SLK350; 2016 - 15 Mercedes-Benz SLK55 AMG; 2015 - 14 Mercedes-Benz SLS AMG; 2019 Mercedes-Benz Sprinter 2500; 2019 Mercedes-Benz Sprinter 3500
ECH **92-1238**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	LR066378, LR058023, LR070840,	2015 Land Rover Defender; 2020 Land Rover Defender 110; 2020 - 17 Land Rover Discovery; 2021 - 15 Land Rover Discovery Sport; 2016 - 13 Land Rover LR4; 2021 - 14 Land Rover Range Rover; 2021 - 20, 2017 - 16 Land Rover Range Rover Evoque; 2021 - 14 Land Rover Range Rover Sport; 2021 - 18 Land Rover Range Rover Velar
ECH **92-1240**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**I**	68239729AB, 68249201AA, 68186572AA, 68239729AA,	2018 - 14 Ram 3500
ECH **92-1241**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	13598772, 13589597,	2021 - 16 Buick Encore; 2017 - 16 Buick Envision; 2016 Buick LaCrosse; 2017 - 16 Buick Regal; 2017 - 16 Buick Verano; 2017 - 16 Cadillac ATS; 2016 Cadillac CT6; 2019, 2017 - 14 Cadillac CTS; 2016 Cadillac ELR; 2016 Cadillac Escalade; 2016 Cadillac Escalade ESV; 2017 - 16 Cadillac XTS; 2018 - 17 Chevrolet Bolt EV; 2019 - 17 Chevrolet Colorado; 2016 Chevrolet Cruze; 2016 Chevrolet Cruze Limited; 2017 - 15 Chevrolet Equinox; 2020 - 16 Chevrolet Impala; 2016 Chevrolet Malibu Limited; 2016 Chevrolet Silverado 2500 HD; 2016 Chevrolet Silverado 3500 HD; 2020 - 16 Chevrolet Sonic; 2021, 2018 - 16 Chevrolet Spark; 2016 Chevrolet Tahoe; 2021, 2017 - 16 Chevrolet Trax; 2017 - 16 Chevrolet Volt; 2017 GMC Sierra; 2016 GMC Sierra 1500; 2016 GMC Sierra 2500 HD; 2016 GMC Sierra 3500 HD; 2016 - 15 GMC Terrain; 2016 GMC Yukon; 2017 - 16 GMC Yukon XL

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ECH **92-1242**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68249200AA, 68186575AA, 68239725AD, 68186575AB, 68239725AA, 68239725AC, 68239725AB,	2017 - 14 Ram 3500
ECH **92-1243**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	52933B2100,	2019 - 15 Kia Sedona; 2021 - 14 Kia Soul; 2019 - 15 Kia Soul EV
ECH **92-1245**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	52933C1100,	2019 Hyundai Nexo; 2021 - 20 Hyundai Palisade; 2020 - 19 Hyundai Santa Fe; 2021 - 15 Hyundai Sonata; 2021 - 16 Hyundai Tucson; 2020 - 18 Kia K900; 2021 - 19 Kia Sedona; 2021 - 20 Kia Telluride
ECH **92-1250**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**G**	42753SZAA13, 42753SZAA12,	2015 - 09 Honda Pilot
ECH **92-1251**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**H**	C2C40725, C2S40710, C2Z15016, LR010532, LR018861, XR855949, C2C41655,	2008 - 05 Jaguar S-Type; 2009 - 05 Jaguar Super V8; 2009 - 04 Jaguar Vanden Plas; 2012 - 09 Jaguar XF; 2014 - 10 Jaguar XFR; 2014 - 13 Jaguar XFR-S; 2012 - 10 Jaguar XJ; 2009 - 04 Jaguar XJ8; 2009 - 04 Jaguar XJR; 2012 - 07 Jaguar XK; 2006 - 05 Jaguar XK8; 2015, 2012 - 05 Jaguar XKR; 2015 - 13 Jaguar XKR-S; 2008 - 07 Jaguar X-Type; 2009 Land Rover LR3; 2011 - 10 Land Rover LR4; 2011 - 09 Land Rover Range Rover; 2011 - 09 Land Rover Range Rover Sport
ECH **92-1252**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	GS1D37140, BBP337140, BBP337140A, BHB637140A, BHB637140, BBP337140B,	2014 - 09 Mazda MX-5; 2014 - 09 Mazda MX-5 Miata
ECH **92-1253**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**T**	36106856227, 36106790054, 36106874829,	2011 BMW 1 Series M; 2013 - 10 BMW 128i; 2013 - 10 BMW 135i; 2013 BMW 135is; 2013 - 12 BMW 320i; 2013 BMW 320i xDrive; 2013 - 09 BMW 328i; 2013 - 09 BMW 328i xDrive; 2011 - 09 BMW 335d; 2013 - 09 BMW 335i; 2013 - 09 BMW 335i xDrive; 2013 - 11 BMW 335is; 2014 - 10 BMW 528i; 2014 - 12, 2010 BMW 528i xDrive; 2014 BMW 535d; 2014 BMW 535d xDrive; 2014 - 10 BMW 535i; 2014 - 10 BMW 535i GT; 2014 - 11 BMW 535i GT xDrive; 2014 - 10 BMW 535i xDrive; 2014 - 10 BMW 550i; 2014 - 10 BMW 550i GT; 2014 - 10 BMW 550i GT xDrive; 2014 - 11 BMW 550i xDrive; 2014 - 12 BMW 640i; 2014 - 13 BMW 640i Gran Coupe; 2014 BMW 640i xDrive; 2014 BMW 640i xDrive Gran Coupe; 2014 - 12 BMW 650i; 2014 - 13 BMW 650i Gran Coupe; 2014 - 12 BMW 650i xDrive; 2014 - 13 BMW 650i xDrive Gran Coupe; 2014 - 11 BMW 740i; 2014 - 11 BMW 740Li; 2014 - 13 BMW 740Li xDrive; 2014 - 10 BMW 750i; 2014 - 10 BMW 750i xDrive; 2014 - 10 BMW 750Li; 2014 - 10 BMW 750Li xDrive; 2014 - 10 BMW 760Li; 2014 - 12 BMW ActiveHybrid 5; 2014 - 13 BMW ActiveHybrid 7; 2015 - 12 BMW Alpina B7; 2015 - 11 BMW Alpina B7 xDrive; 2015 - 11 BMW Alpina B7L; 2015 - 11 BMW Alpina B7L xDrive; 2013 - 09 BMW M3; 2014 - 10 BMW M5; 2014 - 12 BMW M6; 2014 BMW M6 Gran Coupe; 2014 - 12 BMW X1; 2014 - 10 BMW X3; 2013 - 10 BMW X5; 2014 - 10 BMW X6; 2014 - 10 BMW Z4; 2014 - 10 Mini Cooper; 2016 - 11 Mini Cooper Countryman; 2016 - 14 Mini Cooper Paceman
ECH **92-1254**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**D**	12825085, 13227143,	2011 - 08 Lotus Elise; 2014 - 10 Lotus Evora; 2011 - 08 Lotus Exige; 2011 - 08 Saab 9-3; 2011 - 10 Saab 9-3X; 2009 - 08 Saab 9-5
ECH **92-1255**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	13598774, 13581559,	2017 - 14 Chevrolet Caprice
ECH **92-1256**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260730060,	2016 - 13 Lexus ES300h; 2016 - 13 Lexus ES350; 2020 - 16 Lexus GS F; 2017 - 16 Lexus GS200t; 2019 - 18 Lexus GS300; 2020 - 13 Lexus GS350; 2018 - 13 Lexus GS450h; 2019 - 18, 2010 Lexus GX460; 2017 - 16 Lexus IS200t; 2015 - 14 Lexus IS250; 2020 - 16 Lexus IS300; 2020 - 14 Lexus IS350; 2017 - 13 Lexus LS460; 2016 - 13 Lexus LS600h; 2017 - 15 Lexus NX200t; 2021 - 18 Lexus NX300; 2021 - 15 Lexus NX300h; 2021 - 15 Lexus RC F; 2017 - 16 Lexus RC200t; 2021 - 16 Lexus RC300; 2021 - 15 Lexus RC350
ECH **92-1257**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	529332M550,	2014 - 13 Hyundai Accent; 2014 - 13 Hyundai Elantra GT; 2014 - 12 Hyundai Genesis Coupe; 2016 - 13 Kia Optima
ECH **92-1260**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	529333X205, 52933A7000, 529333X205U,	2016 - 14 Hyundai Elantra; 2014 Hyundai Elantra Coupe; 2018 - 14 Kia Forte; 2017 - 14 Kia Forte Koup; 2018 - 14 Kia Forte5; 2015 - 14 Kia Rondo

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ECH **92-1262**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	36106856209, 36106881890,	2016 - 14 BMW 228i; 2016 - 15 BMW 228i xDrive; 2021 - 17 BMW 230i; 2021 - 17 BMW 230i xDrive; 2018 - 14 BMW 320i; 2018 - 15 BMW 320i xDrive; 2018 - 14 BMW 328d; 2018 - 14 BMW 328d xDrive; 2016 - 14 BMW 328i; 2016 - 14 BMW 328i GT xDrive; 2016 - 14 BMW 328i xDrive; 2018 - 16 BMW 330e; 2019 - 17 BMW 330i; 2019 - 17 BMW 330i GT xDrive; 2019 - 17 BMW 330i xDrive; 2015 - 14 BMW 335i; 2016 - 14 BMW 335i GT xDrive; 2015 - 14 BMW 335i xDrive; 2018 - 16 BMW 340i; 2019 - 17 BMW 340i GT xDrive; 2018 - 16 BMW 340i xDrive; 2016 - 14 BMW 428i; 2016 - 15 BMW 428i Gran Coupe; 2016 - 14 BMW 428i xDrive; 2016 - 15 BMW 428i xDrive Gran Coupe; 2020 - 17 BMW 430i; 2020 - 17 BMW 430i Gran Coupe; 2020 - 17 BMW 430i xDrive; 2020 - 17 BMW 430i xDrive Gran Coupe; 2016 - 14 BMW 435i; 2016 - 15 BMW 435i Gran Coupe; 2016 - 14 BMW 435i xDrive; 2016 - 15 BMW 435i xDrive Gran Coupe; 2020 - 17 BMW 440i; 2020 - 17 BMW 440i Gran Coupe; 2020 - 17 BMW 440i xDrive; 2020 - 17 BMW 440i xDrive Gran Coupe; 2015 - 14 BMW ActiveHybrid 3; 2020 - 14 BMW i3; 2020 - 18 BMW i3s; 2020 - 14 BMW i8; 2021 - 20, 2017 - 16 BMW M2; 2016 - 14 BMW M235i; 2016 - 15 BMW M235i xDrive; 2021 - 20 BMW M235i xDrive Gran Coupe; 2021 - 17 BMW M240i; 2021 - 17 BMW M240i xDrive; 2018 - 15 BMW M3; 2020 - 15 BMW M4; 2018 BMW M6; 2021 - 16 BMW X1; 2021 - 18 BMW X2; 2021 - 13 BMW X5; 2021 - 14 BMW X6; 2021 - 17 Mini Cooper; 2021 - 17 Mini Cooper Clubman
ECH **92-1264**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	529333N100, 52934D4100, 52934D4100,	2017 Genesis G80; 2018 - 14 Hyundai Accent; 2016 - 15 Hyundai Genesis; 2014 Kia Cadenza; 2017 - 16, 2014 Kia Sorento
ECH **92-1265**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407003VU0A,	2016 - 14 Nissan Rogue
ECH **92-1267**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	529332S510U, 529332S500, 529332S510,	2015 - 14 Hyundai Tucson; 2016 - 14 Kia Sportage
ECH **92-1268**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	13589601, 13598773,	2017 - 13 Buick Enclave; 2019 - 17 Buick LaCrosse; 2020 - 18 Buick Regal Sportback; 2020 - 18 Buick Regal TourX; 2014 - 08 Cadillac CTS; 2018 - 11 Cadillac Escalade; 2020 - 18 Cadillac Escalade ESV; 2016 - 10 Cadillac SRX; 2011 - 09 Cadillac STS; 2017 Cadillac XT5; 2019 - 13 Cadillac XTS; 2013 - 11 Chevrolet Avalanche; 2019 - 17 Chevrolet Bolt EV; 2020 - 11 Chevrolet Camaro; 2018 - 17 Chevrolet Colorado; 2019 - 16 Chevrolet Cruze; 2014 - 12 Chevrolet Equinox; 2014 - 13 Chevrolet Express 1500; 2020 - 13 Chevrolet Express 2500; 2020 - 13 Chevrolet Express 3500; 2017 - 13 Chevrolet Express 4500; 2020 - 14 Chevrolet Impala; 2020 - 16 Chevrolet Malibu; 2020, 2018 - 11 Chevrolet Silverado 1500; 2017 - 11 Chevrolet Silverado 2500; 2017 - 11 Chevrolet Silverado 2500 HD; 2017 - 15, 2013 - 11 Chevrolet Silverado 3500; 2018 - 11 Chevrolet Silverado 3500 HD; 2018 - 17 Chevrolet Spark; 2019 - 14 Chevrolet Suburban; 2014 - 11 Chevrolet Suburban 1500; 2013 - 11 Chevrolet Suburban 2500; 2019 - 16 Chevrolet Suburban 3500 HD; 2019 - 11 Chevrolet Tahoe; 2017 - 13 Chevrolet Traverse; 2018 Chevrolet Trax; 2018 - 17 Chevrolet Volt; 2017 - 13 GMC Acadia; 2018 - 17 GMC Canyon; 2014 - 13 GMC Savana 1500; 2019 - 13 GMC Savana 2500; 2019 - 13 GMC Savana 3500; 2020 - 19, 2017 - 11 GMC Sierra; 2020 - 19 GMC Sierra 1500; 2019 GMC Sierra 1500 Limited; 2021 - 11 GMC Sierra 2500 HD; 2021 - 11 GMC Sierra 3500 HD; 2017 - 12 GMC Terrain; 2019 - 11 GMC Yukon; 2019 - 15 GMC Yukon XL; 2014 - 11 GMC Yukon XL 1500; 2013 - 11 GMC Yukon XL 2500
ECH **92-1271**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	529333V600,	2017 - 14 Hyundai Azera
ECH **92-1272**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	4250C276, 4250B975, 4250D585, 4250B668,	2020 - 18 Mitsubishi Eclipse Cross; 2017 - 16, 2014 - 12 Mitsubishi i-MiEV; 2017 - 11, 2009 Mitsubishi Lancer; 2020 - 14 Mitsubishi Mirage; 2020 - 17 Mitsubishi Mirage G4; 2020 - 09 Mitsubishi Outlander; 2020 - 18 Mitsubishi Outlander PHEV; 2020 - 11 Mitsubishi Outlander Sport; 2018 - 16 Mitsubishi RVR
ECH **92-1273**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	BB5Z1A189A,	2014 - 11 Ford Edge; 2016 - 14 Ford Escape; 2016 - 13 Ford Expedition; 2015 - 11 Ford Explorer; 2014 - 13 Ford F-150; 2016 - 13 Ford Flex; 2016 - 13 Ford Fusion; 2014 - 13 Ford Mustang; 2016 - 13 Ford Police Interceptor Sedan; 2016 - 13 Ford Police Interceptor Utility; 2016 - 13 Ford Taurus; 2016 - 15 Lincoln MKC; 2016 - 13 Lincoln MKS; 2016 - 13 Lincoln MKT; 2015 - 13 Lincoln MKX; 2016 - 13 Lincoln MKZ; 2016 - 13 Lincoln Navigator
ECH **92-1281**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68240730AB, 68249202AA, 68240730AC, 68240730AA,	2014 Jeep Cherokee

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ECH **92-1285**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	28103CA000, 28103CA002, 28103CA001,	2016 - 13 Scion FR-S; 2020 - 13 Subaru BRZ
ECH **92-1296**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	DR3Z1A189A,	2014 - 10 Ford Mustang
ECH **92-1302**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**T**	4D0207275D, 4D0207275A,	1999 Audi A8; 2003 - 01 Audi S8
ECH **92-1303**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	529333T000,	2017 - 15 Kia K900
ECH **92-1308**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	13581560, 13598775,	2019 - 14 Chevrolet Corvette
ECH **92-1309**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	13586335, 4313085Z06, 23445327, 13598771,	2017 - 16 Buick Enclave; 2014 - 08 Cadillac CTS; 2011 - 08 Cadillac DTS; 2009 - 08 Cadillac Escalade; 2009 - 08 Chevrolet Avalanche; 2008 - 07 Chevrolet Aveo; 2016 Chevrolet City Express; 2021, 2017 Chevrolet Express 2500; 2021, 2017 Chevrolet Express 3500; 2010 - 08 Chevrolet HHR; 2010 - 08 Chevrolet Impala; 2016 - 15 Chevrolet Impala Limited; 2008 Chevrolet Malibu; 2009 - 08 Chevrolet Silverado 1500; 2009 - 08 Chevrolet Silverado 2500; 2009 - 08 Chevrolet Silverado 3500; 2009 - 08 Chevrolet Tahoe; 2017 - 16 Chevrolet Traverse; 2019, 2016 - 15 GMC Acadia; 2017 GMC Acadia Limited; 2009 - 07 Hummer H2
ECH **92-1310**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68399030AC, 68193586AB, 68105280AF, 68399030AB, 68193586AD, 68193586AE, 68399030AA, 68193586AA, 68105280AC, 68105280AD, 68105280AG, 68193586AC,	2017 - 15 Chrysler 200; 2016 - 13 Dodge Dart; 2020 - 16 Fiat 500X; 2016 - 15 Jeep Renegade
ECH **92-1319**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260706030,	2020 - 16 Toyota Avalon; 2019 - 14 Toyota Camry; 2019 Toyota RAV4; 2021 - 16 Toyota Tacoma
ECH **92-1326**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	40700EZ00A,	2021 - 17 Nissan Titan; 2021 - 16 Nissan Titan XD
ECH **92-1327**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260704020,	2021 - 16 Toyota Tacoma
ECH **92-1328**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260706060,	2019 - 16 Lexus ES300h; 2019 - 16 Lexus ES350
ECH **92-1329**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260733050, 42607F4010,	2021 - 18 Toyota C-HR; 2020 Toyota Corolla; 2021 - 20 Toyota Prius; 2021 - 19 Toyota Prius AWD-e; 2021 - 18 Toyota Prius Prime
ECH **92-1330**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	407005UV0A,	2021 - 18 Infiniti QX80; 2020 - 17 Nissan Armada
ECH **92-1331**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260735040,	2019 - 18 Toyota 4Runner
ECH **92-1334**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68313387AC, 68313387AB, 68252493AA, 68252493AB, 68313387AA,	2021 - 17 Chrysler Pacifica; 2021 - 20 Chrysler Voyager; 2020 - 16 Dodge Durango; 2021 - 17 Jeep Compass; 2020 - 16 Jeep Grand Cherokee; 2021 - 17 Jeep Renegade
ECH **92-1337**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	407704CB1B, 407004CB0A,	2021 - 19 Infiniti QX50; 2020 - 19 Nissan Altima; 2020 - 18 Nissan Leaf; 2019 - 17 Nissan Qashqai; 2020 - 17 Nissan Rogue; 2020 - 17 Nissan Rogue Sport
ECH **92-1341**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	42753TG7A51,	2020 - 16 Honda Pilot
ECH **92-1342**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407003AN0C,	2015 - 04 Nissan Titan
ECH **92-1343**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	42753TZ3A51,	2018 - 16 Acura ILX; 2020 - 16 Acura MDX; 2019 - 16 Acura RDX; 2017 - 15 Acura TLX
ECH **92-1344**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	68252495AA, 68252495AC,	2021 - 18 Dodge Durango; 2021 - 16 Jeep Grand Cherokee

Continued on following page.

NAPA® ECHLIN® QWIK-SENSOR® MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1345**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407004GA0B, 407004GA0A,	2016 - 14 Infiniti Q50
ECH **92-1346**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	52933D9100,	2020 - 15 Hyundai Elantra; 2020 - 18 Hyundai Elantra GT; 2020 Hyundai Kona; 2021 - 19 Hyundai Kona Electric; 2020 - 16 Kia Cadenza; 2021 - 16 Kia Sportage
ECH **92-1348**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	C2D47173, C2D15550, C2D21599, C2D10071,	2020 - 18 Jaguar E-Pace; 2020 - 17 Jaguar F-Pace; 2020 - 17 Jaguar F-Type; 2020 - 19 Jaguar I-Pace; 2020 - 16 Jaguar XE; 2020 - 17 Jaguar XF; 2019 - 17 Jaguar XJ; 2017 - 16 Jaguar XJR; 2019 - 18 Jaguar XJR575
ECH **92-1350**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	42753T6NE02, 42753T6NA01, 42753T6NA02,	2021 - 17 Acura NSX; 2020 Acura RDX; 2020 - 18 Acura TLX; 2020 - 18 Honda Odyssey; 2019 Honda Passport; 2019 - 17 Honda Ridgeline
ECH **92-1352**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	52940A4100,	2019 Hyundai Santa Fe; 2019 Hyundai Santa Fe XL
ECH **92-1353**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	68375775AA,	2020 - 17 Fiat 124 Spider
ECH **92-1354**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	52933D2100,	2018 - 17 Genesis G90
ECH **92-1355**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	529332J100,	2021 - 17 Genesis G80; 2021 - 19 Hyundai Accent; 2016 - 14 Hyundai Genesis; 2020 - 17 Kia Rio
ECH **92-1356**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	52933B1100,	2021 - 17 Genesis G80; 2017 - 15 Hyundai Accent
ECH **92-1357**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	31362304,	2017 - 16 Volvo XC90
ECH **92-1359**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	4479051704, 4479050500, A4479050500,	2020 - 16 Mercedes-Benz Metris
ECH **92-1360**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	52933J5000,	2021 - 19 Genesis G70; 2021 - 18 Kia Stinger
ECH **92-1361**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**B**	13598786, 13589598,	2019 - 17 Cadillac ATS; 2019 - 16 Cadillac CTS; 2020 - 18 Chevrolet Camaro; 2017 - 16 Chevrolet Caprice; 2017 - 16 Chevrolet SS
ECH **92-1362**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**B**	13598787,	2019 - 16 Cadillac ATS; 2019 - 16 Cadillac CTS; 2020 - 16 Chevrolet Camaro
ECH **92-1363**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**B**	36106876957, 36106887147, 0009052102, 36106872803,	2021 - 18 BMW 530e; 2021 - 18 BMW 530e xDrive; 2021 - 17 BMW 530i; 2021 - 17 BMW 530i xDrive; 2018 BMW 540d xDrive; 2020 - 17 BMW 540i; 2020 - 17 BMW 540i xDrive; 2019 - 18 BMW 640i xDrive Gran Turismo; 2019 - 17 BMW 740e xDrive; 2021 - 14 BMW 740i; 2021 - 17 BMW 740i xDrive; 2021 - 20 BMW 745e xDrive; 2019 - 14 BMW 750i; 2021 - 14 BMW 750i xDrive; 2020, 2018 BMW 750Li xDrive; 2021 - 20 BMW 840i; 2021 - 20 BMW 840i Gran Coupe; 2021 - 20 BMW 840i xDrive; 2021 - 20 BMW 840i xDrive Gran Coupe; 2019 - 17 BMW Alpina B7; 2021 - 16 BMW M5; 2021 - 18 BMW M550i xDrive; 2019 BMW M6 Gran Coupe; 2021 - 17 BMW M760i xDrive; 2020 BMW M760Li xDrive; 2021 - 20 BMW M8; 2021 - 19 BMW M850i xDrive; 2021 - 20 BMW M850i xDrive Gran Coupe; 2021 - 18 BMW X3; 2021 - 19 BMW X7; 2021 - 19 Mercedes-Benz CLS450; 2021 - 19 Mercedes-Benz CLS53 AMG; 2019 - 17 Mercedes-Benz E300; 2021 - 20 Mercedes-Benz E350; 2018 - 17 Mercedes-Benz E400; 2018 - 17 Mercedes-Benz E43 AMG; 2021 - 19 Mercedes-Benz E450; 2021 - 19 Mercedes-Benz E53 AMG; 2017 Mercedes-Benz E550; 2018 Mercedes-Benz E63 AMG; 2021 - 18 Mercedes-Benz E63 AMG S; 2021 - 19 Mercedes-Benz G550; 2021 - 19 Mercedes-Benz G63 AMG
ECH **92-1365**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	F2GZ1A189G, F2GZ1A189E,	2018 - 15 Ford Edge; 2018 - 16 Ford Explorer; 2018 - 15 Ford F-150; 2019 - 17 Ford F-250 Super Duty; 2019 - 17 Ford F-350 Super Duty; 2019 - 17 Ford F-450 Super Duty; 2019 - 17 Ford F-550 Super Duty; 2018 - 17 Ford Fusion; 2019 - 15 Ford Mustang; 2018 - 16 Ford Police Interceptor Utility
ECH **92-1366**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	FR3Z1A189B,	2019 - 17 Ford F-250 Super Duty; 2019 - 17 Ford F-350 Super Duty; 2019 - 17 Ford F-450 Super Duty; 2019 - 17 Ford F-550 Super Duty
ECH **92-1367**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	FR3Z1A189A,	2019 - 17 Ford F-250 Super Duty; 2019 - 17 Ford F-350 Super Duty; 2019 - 17 Ford F-450 Super Duty; 2019 - 17 Ford F-550 Super Duty; 2019 - 17 Ford GT; 2019 - 15 Ford Mustang
ECH **92-1368**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	EB3Z1A189A, G1EZ1A189A,	2018 - 16 Ford Focus

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NAPA® ECHLIN® QWIK-SENSOR® MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1369**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	HC3Z1A189A, HC3Z1A189B,	2020 Ford Expedition; 2021 - 17 Ford F-250 Super Duty; 2021 - 17 Ford F-350 Super Duty; 2019 - 17 Ford F-450 Super Duty; 2019 - 17 Ford F-550 Super Duty; 2020 - 17 Ford Fusion; 2020 - 19 Ford Police Responder Hybrid; 2021 - 20 Ford Ranger; 2020 - 19 Ford SSV Plug-In Hybrid; 2020 - 17 Lincoln Continental; 2019 - 16 Lincoln MKC; 2020 - 17 Lincoln MKZ; 2021 - 19 Lincoln Nautilus; 2021 - 18 Lincoln Navigator
ECH **92-1371**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	13522631, 13522955, 13516165, 13528563,	2021 - 18 Buick Enclave; 2021 - 20 Buick Encore GX; 2020 - 19 Cadillac CT6; 2020 Cadillac Escalade; 2021 - 19 Cadillac XT4; 2020 - 18 Cadillac XT5; 2020 Cadillac XT6; 2021 - 19 Chevrolet Blazer; 2021 Chevrolet Camaro; 2019 - 17 Chevrolet Cruze; 2021 Chevrolet Malibu; 2021, 2019 Chevrolet Silverado 1500; 2018 Chevrolet Silverado 2500; 2021 - 20 Chevrolet Silverado 2500 HD; 2018 Chevrolet Silverado 3500; 2020 Chevrolet Silverado 3500 HD; 2021 Chevrolet Trailblazer; 2021 - 18 Chevrolet Traverse; 2020 - 18 GMC Acadia; 2018 GMC Sierra; 2021, 2018 GMC Sierra 1500; 2021 - 18 GMC Terrain; 2020 GMC Yukon; 2018 GMC Yukon XL
ECH **92-1372**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	13528566, 13516164, 13522956,	2019 - 18 Buick Cascada; 2020 - 17 Buick Envision; 2019 - 18 Cadillac ATS; 2019 Cadillac CT6; 2019 - 18 Cadillac CTS; 2020 - 18 Cadillac Escalade; 2020 - 18 Cadillac Escalade ESV; 2019 - 18 Cadillac XTS; 2020 - 19 Chevrolet Bolt EV; 2020 Chevrolet Colorado; 2021 - 18 Chevrolet Equinox; 2020 - 18 Chevrolet Silverado 1500; 2019 Chevrolet Silverado 1500 LD; 2020 - 18 Chevrolet Silverado 2500 HD; 2020 - 19 Chevrolet Silverado 3500 HD; 2020 - 19 Chevrolet Spark; 2020 - 18 Chevrolet Suburban; 2020 - 18 Chevrolet Tahoe; 2020 - 18 Chevrolet Trax; 2020 - 18 GMC Canyon; 2019 - 18 GMC Sierra; 2019 GMC Sierra 1500; 2019 GMC Sierra 1500 Limited; 2019 GMC Sierra 2500 HD; 2019 GMC Sierra 3500 HD; 2021 - 18 GMC Terrain; 2020 - 18 GMC Yukon; 2020 - 18 GMC Yukon XL
ECH **92-1373**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	28103FL00A, 28103FL001, 28103FL00B,	2021 - 19 Subaru Ascent; 2021 - 18 Subaru Crosstrek; 2021 - 19 Subaru Forester; 2021 - 17 Subaru Impreza; 2021 - 18 Subaru Legacy; 2021 - 15 Subaru Outback
ECH **92-1374**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	HC3Z1A189D,	2019 - 17 Ford F-250 Super Duty; 2019 - 17 Ford F-350 Super Duty; 2019 - 17 Ford F-450 Super Duty; 2019 - 17 Ford F-550 Super Duty
ECH **92-1375**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	1K0907253C,	2010 - 09 Volkswagen CC; 2010 - 09 Volkswagen Passat CC
ECH **92-1379**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	426070C091,	2021 - 20 Toyota Highlander; 2021 - 19 Toyota RAV4; 2021 Toyota RAV4 Prime; 2021 - 17 Toyota Sequoia; 2021 - 18 Toyota Tundra
ECH **92-1380**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**O**	426070C101,	2021 - 18 Toyota Tundra
ECH **92-1381**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	4260748010,	2021 - 20 Lexus GX460; 2021 - 18 Lexus LC500; 2020 - 18 Lexus LC500h; 2021 - 18 Lexus LS500; 2021 - 18 Lexus LS500h; 2021 - 15 Lexus LX570; 2019 - 16 Lexus RX350; 2019 - 18 Lexus RX350L; 2019 - 16 Lexus RX450h; 2019 - 18 Lexus RX450hL; 2020 - 19 Lexus UX200; 2021 - 19 Lexus UX250h; 2021 - 16 Toyota Land Cruiser
ECH **92-1382**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	426070E020,	2018 - 16 Lexus RX350; 2018 Lexus RX350L; 2019 - 16 Lexus RX450h; 2018 Lexus RX450hL
ECH **92-1385**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**B**	42753T3RA02, 42753T3RA03,	2021 - 19 Acura ILX; 2021 Acura RDX; 2021 Acura TLX; 2021 Honda Odyssey
ECH **92-1386**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	407005ZH0A,	2020 - 18 Nissan Kicks; 2021 - 20 Nissan Versa
ECH **92-1387**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**B**	407009DJ0A,	2020 - 19 Infiniti QX60; 2020 Nissan Frontier; 2021 - 19 Nissan Maxima; 2020 - 19 Nissan Murano; 2020 - 19 Nissan Pathfinder
ECH **92-1389**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**A**	84413363,	2017 Buick Envision; 2017 Cadillac CTS; 2017 Cadillac Escalade ESV; 2019 - 17 Chevrolet Camaro; 2017 - 15 Chevrolet Equinox; 2017 Chevrolet Silverado 1500; 2017 Chevrolet Silverado 2500; 2017 Chevrolet Silverado 3500; 2017 Chevrolet Tahoe; 2017 GMC Canyon; 2016 - 15 GMC Terrain; 2017 GMC Yukon XL
ECH **92-1391**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	407003AR1A,	2017 - 16 Nissan Sentra; 2016 - 13 Nissan Versa
ECH **92-1393**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**L**	407006WY0B, 407006WY0C,	2017 Infiniti QX80
ECH **92-1394**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**C**	68293199AA,	2021 - 19 Ram 1500
ECH **92-1395**	*ECH* **92-4006R**/ *ECH* **92-4006M**	**R**	52933D4100,	2021 - 19 Genesis G90; 2021 - 17 Hyundai Ioniq; 2021, 2019 - 18 Hyundai Kona; 2021 - 19 Hyundai Veloster; 2021 - 19 Hyundai Veloster N; 2021 - 20 Hyundai Venue; 2020 - 17 Kia Niro; 2020 - 19 Kia Niro EV; 2020 - 17 Kia Optima; 2020 - 18 Kia Sorento

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TPMS (Tire Pressure Monitoring System)

NAPA® ECHLIN® QWIK-SENSOR® MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1397**	*ECH* **92-4006R/** *ECH* **92-4006M**	**L**	52940J7000,	2021 - 19 Kia Forte
ECH **92-1399**	*ECH* **92-4006R/** *ECH* **92-4006M**	**T**	1034602, 1074812,	2021 - 17 Tesla 3; 2021 - 14 Tesla S; 2021 - 16 Tesla X
ECH **92-1400**	*ECH* **92-4006R/** *ECH* **92-4006M**	**A**	13512346,	2021 - 20 Chevrolet Colorado; 2021 - 20 GMC Canyon
ECH **92-1411**	*ECH* **92-4006R/** *ECH* **92-4006M**	**B**	BDGF37140,	2021 - 19 Mazda 3; 2021 - 20 Mazda CX-30; 2021 - 20 Mazda CX-9
ECH **92-1420**	*ECH* **92-4006R/** *ECH* **92-4006M**	**A**	13593960, 13530661,	2021 - 20 Cadillac CT4; 2021 - 2020 Cadillac CT5

AUTEL

MAXITPMS® TS608: TPMS SERVICE TABLET KIT

8 1-Sensors included

The TS608 is an advanced TPMS tool plus all systems diagnostic and service tool. It features an enhanced TPMS status screen and can read, activate and relearn all known sensors. It offers essential diagnostics for all system modules and has over 20 service functions. Use the TS608 to perform key fob signal tests and placard value resets on supported vehicles. The TS608 is updatable via Wi-Fi, includes a wireless Bluetooth MaxiSYS-VCIMini, and a 1-year tool warranty with purchase.

- 7" Touchscreen and 1.6GHz Quad-Core Processor
- 4 Autel MX-Sensor Programming Options
- TPMS Status Screen: Detects & Displays System Faults
- Read/Clear OBDII Codes & Sensor Info
- On-Screen Relearn Procedures (OBDII Relearn)
- AutoVIN 2006+ / AutoSCAN: All Modules in All Systems
- 20 Service Functions /Generates Printable Diagnostic Reports
- Coding & Adaptations / Key Programming Domestic & Asian 2001+
- Android 4.4.2 / 1-Year FREE Software Updates via Wi-Fi
- Includes 8 Autel 1-Sensors

Item No.	Description
BK **700040**	MaxiTPMS® Tool, (8) Autel 1-Sensors

AUTEL

TPMS SERVICE TOOL

This tool is Autel's first non-tablet TPMS service tool providing Wi-Fi software updates. It features Quick and Advance modes of TPMS service and a TPMS status screen. It can read/activate/relearn all know sensors, has 4 methods of MX-Sensor programming, and performs placard value resets on supported vehicles. This tool displays on-tool MX-Sensor relearn procedures including OBD2 and can do key fob signal tests. It includes an OBD2 cable, a 1 year tool warranty and free lifetime software updates are available with purchase.

- Free lifetime software updates
- Detect and display TPMS system faults
- Display a sensor's ID, battery life and PSI
- Display vehicle-specific relearn procedures and perform OBD2 relearns

BK **TS508WF**

AUTEL

MAXITPMS® TS508: TPMS SERVICE TOOL AND KIT

8 1-Sensors included

The TS508 is a complete handheld TPMS service tool. It features Quick or Advance service modes and displays tire sensor IDs and psi. It can read, activate and relearn all known sensors. Use the TS508 to perform key fob signal tests and placard value resets on supported vehicles. The TS508 is updatable via PC, includes an OBDII cable and a 1-year tool warranty with purchase.

- 2.3" Color Display 320x240
- Quick Mode: Check TPMS sensors and program MX-Sensors quickly
- Advanced Mode: Check TPMS sensors, TPMS diagnose, MX-Sensor program and position relearn
- 4 Autel MX-Sensor Programming Options
- TPMS Status Screen: Detects & Displays System Faults
- Read/Clear OBDII Codes & Sensor Info
- On-Screen Relearn Procedures (OBDII Relearn)
- FREE Software Updates for Lifetime of Tool
- TS508K-1 Kit also includes 8 Autel 1-Sensors

Item No.	Description
BK **TS508**	MaxiTPMS® Tool Only
BK **TS508K-1**	MaxiTPMS® Tool, (8) Autel 1-Sensors

AUTEL

TPMS SERVICE TOOL AND 8 PROGRAMMABLE SENSORS

The *BK* **TS508WFK** kit includes the *BK* **TS508EF** TPMS tool and eight programmable Autel 1-Sensors. The *BK* **TS508WF** is a TPMS service tool. It is Autel's first non-tablet tool providing Wi-Fi software updates. It features Quick and Advance modes of TPMS service and a TPMS status screen. It can read/activate/relearn all known sensors, has 4 methods of MX-Sensor programming and performs placard value resets on supported vehicles. The *BK* **TS508WF** displays on-tool MX-Sensor relearn procedures including OBD2 and can do key fob signal tests. It includes an OBD2 cables, a 1-year tool warranty and free lifetime software updates are available with purchase.

- Free lifetime software updates
- Detect and display TPMS system faults
- Display a sensor's ID, battery life and PSI
- Display vehicle-specific relearn procedures and perform OBD2 relearns
- Kit includes *BK* **TS508WF** tool and (8) 1-Sensors

BK **TS508WFK**

BARTEC USA

TECH450PRO PREMIER TPMS TOOL WITH 24 RITE-SENSORS

The Tech450Pro works on more cars, is even faster, and offers features and benefits to make your shop more efficient. The Tech450Pro is wireless TPMS, wireless charging, wireless data transfer (Bluetooth), and wireless updating (WiFi). The Tech450Pro was designed so that anyone in your tire shop or repair facility can use it. TPMS is hard enough, the service tool you use should be easy and intuitive. The Tech450Pro uses the Bartec Process Menu Flow. Start with TEST BEFORE YOU TOUCH and finish with the all-important RELEARN, and you have a job done quickly and accurately. The Tech450Pro works on more than 95% of vehicles that require OBD communication and is the only tool that offers OBD coverage on vehicles like Chrysler, Ford, GM and Volvo. This means a single workflow and faster service, a shorter learning curve for technicians.

- WiFi tool software updating
- Inductive, wireless charging
- Performs stationary and OBD Relearns
- Works with all known OE TPMS Sensors
- Provides Test Before Touch Diagnostics
- Works with aftermarket multi-protocol sensors
- Robust OBDII Cable system for greater durability
- Wireless Bluetooth to quickly send data reports to a computer or printer
- Comprehensive TPMS Audit Report tells your customers what they need to know
- Total Care Program for MS919

Contents: (1) Tool Case, (1) Tech450Pro, (1) Quick-Start Guide, (1) USB Cable/Power Supply, (1) OBD Cable, (24 Rite-Sensors

BK **92-1554**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARTEC USA

TECH600PRO TPMS TOOL WITH 30 RITE-SENSORS

The Tech600Pro is all about speed, accuracy and ease of use with the specific purpose of helping tire businesses improve the bottom line. The wireless capabilities of the Tech600Pro make it the fastest TPMS tool available in North America. TPMS relearns take just seconds. Connect the wireless VCI to the OBDII port and in mere seconds, the Make-Model-Year are detected and decoded and the tool is ready for action. Because Bartec works with all Original Equipment and Major Programmable sensors in the market, our data is accurate and so are our tools. The Tech600Pro coverage is second to none. Fix more vehicles with the Tech600Pro. Combine our data with VINDicate® The Tech600Pro represents the very best in TPMS Technology for all levels of tire shop management. The graphical users interface makes the Tech-Pro600 very easy to learn and operate. Using Rite-Sensor® and Rite-Sync®, the Tech600Pro makes TPMS service a breeze.

- 2.4 GHz WiFi
- Wireless tool updates
- Wireless data transfer
- Graphical user interface
- Long lasting LiPo battery
- TPMS service in half the time
- Rugged, ergonomic enclosure
- 2.8" high resolution color display
- Rite-Sync® Relearn/Sensor Process
- More TPMS service per battery charge
- Tests ABS Codes, Check Engine Codes, Oxygen (O2) Monitor Testers, Transmissions

Contents: (1) Tool case, (1) Quick-Start guide, (1) Tech600Pro, (1) Wireless VCL, (1) USB Cable/Power Supply, (30) Rite-Sensors

BK **92-1555**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARTEC USA

TECH400PRO TPMS DIAGNOSTIC AND RELEARN TOOL

The Tech400Pro is the premier TPMS scan tool. This high-end tool offers many advanced features that will allow you to service TPMS in many more vehicles. From WiFi updating and inductive charging to the ability to adjust the recommended inflation pressure settings (placard). The comprehensive OBD relearn coverage for import and domestic vehicles gives you the power to say "Yes" to more customers. The Tech400Pro works on more that 93% of vehicles that require OBD communication, and is the only tool that offers OBD coverage on vehicles like Chrysler, Ford, GM and Volvo. This means a single work flow, faster service and a shorter learning curve for technicians.

- Wireless tool updating
- Wireless inductive charging capable
- RITE-SYNC® technology
- RITE-SENSOR® support
- Works with all known OE TPMS sensors
- Provides test before touch diagnostics
- Passive/Keyless ignition testing
- Robust OBD2 cable system for greater durability
- Removable SD card for updating without internet
- Wireless Bluetooth to quickly send data reports to a computer or printer

Contents: TPMS Tool, (2) RITE-SENSOR® Clamp-In Stems, (12) RITE-SENSOR® Rubber Stem Sensors

BK **92-1544**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

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TPMS (Tire Pressure Monitoring System)

BARTEC USA

TPMS RITE-SENSOR WITH 4 RITE-SENSORS®

The Rite-Sensor® is Bartec's single SKU, multi-frequency programmable sensor. It offers 98% vehicle coverage while remaining easy to use. Simply program the sensor with one of the Bartec TPMS tools. The tool guides you through the process, step-by-step.

- Configures in less than 3 seconds
- Program with Bartec TPMS tools
- Dual frequency (315 MHz and 433 MHz)
- Programs and updates in less than 10 seconds
- Programming process is directed by the tool
- Comes with both rubber and clamp-in valve
- Only Rite-Sensor® features Rite-Sync® technology

BK **92-1556**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARTEC USA

TPMS DEALER KIT MERCHANDISING ASSORTMENT

TPMS Dealer Kit is available exclusively through NAPA only.

Contents

Qty	Item No.	Description
1	*BK* **92-1529**	TPMS Mechanical Tool Kit
1	*BK* **92-1538**	Tech400SD TPMS Activation/Scan
12	*BK* **92-3312**	TPMS Service Kit
12	*BK* **92-3403**	REDI-Sensor – 315 MHz
12	*BK* **92-3404**	REDI-Sensor – 315 MHz / 414.9 MHz
12	*BK* **92-3405**	REDI-Sensor – 433.92 MHz

BK **92-9018**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARTEC USA

SOFTWARE UPDATE LICENSE CERTIFICATE FOR *BK* 92-1538

Item No.	Description
BK **92-1539**	1-Year Software Update
BK **92-1540**	2-Year Software Update
BK **92-1541**	3-Year Software Update

⚠ **WARNING: (*BK* 92-1539) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARTEC USA

TPMS RESET TOOL

Resets the TPMS warning light when stuck in loop. Tool plugs into OBDII connection. No pin jumping required.

BK **92-1530**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AUTEL

TPMS PRESS-IN ALUMINUM VALVE STEM

The 1-Sensor is a programmable universal TPMS sensor. It features a combined frequency of 315MHz and 433MHz with metal valve stems. The press release button allows for rubber or metal valve stems to be replaced interchangeably. The 1-Sensor is reprogrammable, 99% compatible with OE sensors, and meets SAE standards J1205 and J1206. Replacement valve stems are available for purchase in rubber or metal.

- Combined frequency of 315MHz and 433MHz
- Programmable with Autel TPMS service tools
- Exclusive press release button to easily replace valve stems
- Program to replace 99% of OE sensors
- Compatible with Autel interchangeable rubber, aluminum or color metal valve stems

BK **1-SENSORM**

AUTEL

MX-SENSOR1 SENSOR METAL VALVE 20-PACK BULK BOX

The MX-Sensor 1-SensorM bulk box of 20 individually bagged, programmable universal TPMS sensors. The 1-SensorM features a combined frequency of 315MHz and 433MHz with metal valve stems. The press release button allows for rubber or metal valve stems to be replaced interchangeably. The 1-SensorM is reprogrammable, 99% compatible with OE sensors, and meets SAE standards J1205 and J1206. Replacement valve stems are available for purchase in rubber or metal.

- Meets SAE Standards J1205 and J1206
- Maximum signal strength/battery reliability
- Programmable with Autel TPMS service tools
- Compatible with Autel interchangeable rubber, aluminum or color metal valve stems

BK **AUT300060**

AUTEL

1-SENSOR: PROGRAMMABLE UNIVERSAL TPMS SENSOR

The 1-Sensor combines both 315MHz and 433MHz frequencies into one TPMS tire sensor. The exclusive PRESS release button allows valve stems to be replaced interchangeably. Replacement valve stems are available for purchase in multiple materials and colors. The 1-Sensor can only be programmed with Autel branded TPMS service tools. A 2-year warranty is included with purchase.

- Replace 99% of OE Sensors
- Compatible with Autel Rubber, Aluminum or Color Metal Valve Stems
- Meets SAE Standards J1205 & J1206
- Maximum Signal Strength / Battery Reliability

Item No.	Quantity
BK **1-SENSOR**	1
BK **300040**	8
BK **300010**	20

AUTEL

TPMS VALVE SERVICE COMPONENT KIT

The Autel MX-Sensor component kit includes the list of individual parts needed to service and replace existing Autel MX-Sensor rubber and metal valve stems.
Contents: (20) Screw Nuts, (20) Washers, (20) Rubber Gaskets, (20) Metal Valve Caps, (20) Rubber Valve Caps, (20) Metal/Rubber Valve Cores, (4) Rubber Valves, (4) Metal Valves.

BK **MXSENSORCK**

AUTEL

MX-SENSOR RUBBER TPMS VALVE STEM

Replacement TPMS valve stem for Autel 1-Sensors. Made with high quality EPDM rubber. The patented press release valve design allows easy installation without a tool. A 2-year warranty is included with purchase.

Item No.	Size
BK **MXSENSORRV**	61.5mm

AUTEL

MX-SENSOR ALUMINUM TPMS VALVE STEM

Replacement TPMS valve stem for Autel 1-Sensors. Made with industry leading corrosion protection technology metal. The patented press release valve design allows easy installation without a tool. A 2-year warranty is included with purchase.

Item No.	Size
BK **MXSENSORMV**	54.6mm

AUTEL

MX-SENSOR COLOR METAL TPMS VALVE STEM

Replacement TPMS valve stems for Autel 1-Sensors. Color metal stems are available in Black, Titan Grey, or Chrome. A 2-year warranty is included with purchase.

Item No.	Color
BK **CV-001**	Black
BK **CV-002**	Titan Gray
BK **CV-003**	Chrome

REDI-Sensor™

TPMS REDI-SENSOR

REDI-Sensor has been developed by Continental, one of the industry's leading TPMS suppliers. REDI-Sensor is built with the same quality standards and precision as the systems and sensors we supply as original equipment to automakers around the world.

- Includes all component parts for ease of installation
- Designed to follow OE vehicle relearn procedures, REDI-Sensor vehicle applications are constantly being tested and validated to meet OE standards
- REDI-Sensor comes pre-programmed for multiple vehicles, so it needs no programming
- Fits Buick, Cadillac, Chevrolet, Chrysler, Dodge, GMC, Hyundai, Jeep, Kia, Nissan, Ram and Subaru vehicles

BK **92-3314**

REDI-Sensor™

REDI-SENSOR™ TPMS SENSORS

Aftermarket valve sensor assemblies include all component parts. Manufactured in same ISO-certified facilities to same quality standards as OE parts. Duplicates original equipment in fit and function.

- Multi-application TPMS sensor that covers over 85% of all vehicles in North America
- Ready out of the box, installs right out of the box
- Pre-programmed, no sensor programming required
- Works with all major TPMS scan tools
- No training required—designed to follow existing OE vehicle relearn procedures
- OE designed and validated

REDI-SENSOR™ TPMS SENSOR — 315 MHZ

BK **92-3309**

REDI-SENSOR™ TPMS SENSOR — 315/314.9 MHZ

BK **92-3304**

REDI-SENSOR™ TPMS SENSOR — 433.92 MHZ

BK **92-3305**

REDI-SENSOR™ TPMS SENSOR - 315 MHZ

BK **92-3313**

BK **92-3307**

BK **92-3308**

REDI-SENSOR™ TPMS SENSOR — 315/314.9 MHZ

Item No.	Description
BK **92-3307**	TPMS Sensor
BK **92-3308**	Replacement Rubber Snap-In Valve

INDEX

TPMS (Tire Pressure Monitoring System)

REDI-Sensor™

TIRE PRESSURE MONITORING SYSTEM STARTER KIT

REDI-Sensor installer kits ensure you have the parts you need at your fingertips and all in one place. Features simple, easy to access compartments and a key with pictograms for quick reference. Also, offers extra space for expansion.

- No training required, designed to follow existing OE vehicle relearn procedures
- Ready to refill
- Covers 85% of vehicles on the road
- Works will all major TPMS scan tools
- Faster TPMS scan tool hunt mode
- Installs right out of the box, no sensor programming/cloning

Contents: (25) Sensors, (16) Service Kits

BK **92-9020**

REDI-Sensor™

REDI-SENSOR™ SERVICE KITS

Replacement parts and service kits for REDI-Sensor™ are available and include seal/washer, valve core, hex nut, and cap. Replacements are also available for the sensor's durable metal valve stem, which is reusable.

BK **92-3312**

NICKEL-PLATED VALVE CORES

TPMS Electroless nickel-plated valve cores for use with aluminum valve stem only. Failure to use Electroless nickel-plated core results in galvanic corrosion and eventual tire pressure loss. Pack of 25.

NTH **92-0255**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TIRE PRESSURE MONITORING SYSTEM TIRE DEFLATOR SET

Quickly evacuates air from tires without removing the valve core. Simply replace standard sized valve cap with this handy tool. The special design depresses the pin in the valve core. Large openings on the sides of the tool allow air to escape quickly. Tools are marked so tires can be returned to their original position on the vehicle and TPMS will not need to be reset. Shipping weight: 5 oz.

SER **77-4038**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE PRESSURE MONITORING SYSTEM SERVICE TOOL

Screwdriver style valve core torque tool features plastic handle for better grip, metal shaft for added durability, and convenient pocket clip.

NTH **92-1502**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARTEC USA

VALVE CORE TORQUE TOOL

Correctly tighten the valve core on TPMS sensors to the preset torque. Prevents over tightening.

BK **92-1537**

BARTEC USA

TPMS GROMMET TOOL

Grommet tool removes 11mm and 12mm sensor stem nuts.

BK **92-1534**

TUBELESS SNAP-IN VALVES

These 7/8" valves fit industrial vehicles with .453" rim hole diameter. Not for use on tires exceeding 65 PSI or rims exceeding .156" thickness.

Qty.	Item No.	Tire & Rim No.
.453 In. Rim Holes		
1	*NTH* **90-412**	412
10	*NTH* **90-412-1**	412
500	*NTH* **90-412-5**	412

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TUBELESS SNAP-IN TIRE VALVES

Valve core and plastic clap conform to original equipment standards. Ozone resistant rubber materials. Not for use on tires exceeding 65 PSI or rims exceeding .156" thickness.

Qty.	Item No.	Tire & Rim No.	Length
.453 In. Rim Holes			
4	*NTH* **90-413**	TR 413	1.25"
10	*NTH* **90-413-1**	TR 413	1.25"
50	*NTH* **90-413-2**	TR 413	1.25"
100	*NTH* **90-413-3**	TR 413	1.25"
500	*NTH* **90-413-5**	TR 413	1.25"
4	*NTH* **90-414**	TR 414	1.5"
10	*NTH* **90-414-1**	TR 414	1.5"
50	*NTH* **90-414-2**	TR 414	1.5"
100	*NTH* **90-414-3**	TR 414	1.5"
500	*NTH* **90-414-5**	TR 414	1.5"
4	*NTH* **90-418**	TR 418	2"
10	*NTH* **90-418-1**	TR 418	2"
50	*NTH* **90-418-2**	TR 418	2"
100	*NTH* **90-418-3**	TR 418	2"
500	*NTH* **90-418-5**	TR 418	2"
4	*NTH* **90-423**	TR 423	2.5"
10	*NTH* **90-423-1**	TR 423	2.5"
50	*NTH* **90-423-2**	TR 423	2.5"
100	*NTH* **90-423-3**	TR 423	2.5"
500	*NTH* **90-423-5**	TR 423	2.5"
.625 In. Rim Holes			
4	*NTH* **90-415**	TR 415	1.25"
10	*NTH* **90-415-1**	TR 415	1.25"
50	*NTH* **90-415-2**	TR 415	1.25"
100	*NTH* **90-415-3**	TR 415	1.25"
500	*NTH* **90-415-5**	TR 415	1.25"
4	*NTH* **90-425**	TR 425	2"
10	*NTH* **90-425-1**	TR 425	2"
50	*NTH* **90-425-2**	TR 425	2"
100	*NTH* **90-425-3**	TR 425	2"
500	*NTH* **90-425-5**	TR 425	2"

Warning: Do not exceed a cold inflation pressure of 65 PSI on tires with conventional snap-in valves, and do not use valves with rims greater than .156" thick.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: (*NTH* 90-413-2, *NTH* 90-413-3, *NTH* 90-413-5, *NTH* 90-414-2, *NTH* 90-414-3, *NTH* 90-418-2 & *NTH* 90-418-3) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CHROME SLEEVE SNAP-IN VALVES

Valves with high-performance cap fit

Qty.	Item No.	Tire & Rim No.	Description
.453 In. Rim Holes			
4	*NTH* **90-434**	TR 413	1.25"
100	*NTH* **90-435-3**	TR 413	1.25"
4	*NTH* **90-436**	TR 418	2"

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CHROME SLEEVE & CAP KITS

Turn snap-in valves into chrome sleeve valves with 4 caps and 4 sleeves per set.

Qty.	Item No.	Description
4	*NTH* **90-435**	Fits *NTH* **90-413**
4	*NTH* **90-437**	Fits *NTH* **90-418**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TUBELESS HIGH-PRESSURE SNAP-IN VALVES

Suitable for light truck, automotive, and other high-pressure applications. Rated for tire pressures from 80 to 100 PSI. Includes valve core and metal cap.

Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453 In. Rim Holes				
4	*NTH* **90-442**	TR 600HP	1.25"	.453"
50	*NTH* **90-442-2**	TR 600HP	1.25"	.453"
500	*NTH* **90-442-5**	TR 600HP	1.25"	.453"
4	*NTH* **90-443**	TR 602HP	2"	.453"
50	*NTH* **90-443-2**	TR 602HP	2"	.453"
.625 In. Rim Holes				
4	*NTH* **90-444**	TR 801HP	1.25"	.625"
50	*NTH* **90-444-2**	TR 801HP	1.25"	.625"

Warning: These special purpose snap-in valves should not be used on tire rims greater than .204" thick.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CLAMP METAL VALVE

Valve includes rubber grommets. 150 PSI max.

Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453/.625 In. Rim Holes				
1	*NTH* **90-416**	TR 416	1.25"	.453"/.625"

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TIRE VALVE WASHER KIT

Rubber washer replacement kit for *NTH* **90-416**.

NTH **90-431** Blister Pack

Contents

Qty.	Description
5	.453" washers
5	.625" washers

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

CLAMP METAL VALVE

For front wheel drive. Used on Cadillac El Dorado and Olds Toronado through 1978 model year.

Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453 In. Rim Holes				
1	*NTH* **90-417**	TR 417	1.5"	.453"

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Tire Valves

Ken-Tool WHEREVER TIRES ARE CHANGED™

SPC **29999**

SPC **29999M**

VALVECAPPER® PRO

4 tools in 1 - Cap and Core Remover/Installer. Makes it easier to check the inside dual tire! No more moving your rig to position valve stems just to get to the caps. No more dropped caps - holds onto the cap and valve cores for removing and replacing. Longer valve cap grip works on flow-through, double seal valve caps. Unbreakable under normal use.

Item No.	Description
SPC **29999**	ValveCapper®Pro
SPC **29999M**	25-Pc Counter Display
SPC **29999C**	ValveCapper Pro – Carded

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

UNIVERSAL CLAMP-IN VALVE

Universal style designed for mag, chrome and other sport wheels. Heat-resistant core and caps with grommets for .453" and .625" rim holes.

NTH **90-432**

HIGH-PERFORMANCE CLAMP-IN VALVE

Bright chrome finish. 150 PSI max.

Qty.	Item No.	Length	Rim Hole Diameter
.453 In. Rim Holes			
1	*NTH* **90-438**	1.25"	.453"

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TUBE-TYPE PASSENGER VALVE

Specially compounded gum base bonds to tubes using hot or cold chemical bond application. Base measures 2.25" in diameter.
Shank measures .460" in diameter.

Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453 In. Rim Holes				
4	*NTH* **90-156**	TR 13	1.25"	.453"

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RIM HOLE BUSHINGS

Fits over shank of *NTH* **90-156** tube valve to prevent shifting in .625" rim holes. Pack of 10.

NTH **90-125**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TUBELESS BRASS TRUCK CLAMP-IN STYLE VALVES

Used in one-piece drop center rims with .625" diameter side-mounted rim hole.

Qty.	Item No.	Tire & Rim No.	Effective Length
.625 In. Rim Holes			
1	*NTH* **90-251**	TR 575	1.125"
25	*NTH* **90-251B**	TR 575	1.125"
1	*NTH* **90-252**	TR 500	2"
25	*NTH* **90-252B**	TR 500	2"
1	*NTH* **90-254**	TR 570	3.125"
25	*NTH* **90-254B**	TR 570	3.125"
1	*NTH* **90-256**	TR 571	3.375"
25	*NTH* **90-256B**	TR 571	3.375"
1	*NTH* **90-259**	TR 572	3.75"
25	*NTH* **90-258B**	TR 572	3.75"
1	*NTH* **90-260**	TR 573	4.375"
25	*NTH* **90-260B**	TR 573	4.375"
1	*NTH* **90-262**	TR 501	1.5"
25	*NTH* **90-262B**	TR 501	1.5"
1	*NTH* **90-263**	TR 574	5"
25	*NTH* **90-263B**	TR 574	5"

NTH **90-260**

NTH **90-251**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TRUCK TIRE VALVE

Brass truck tire valve is 1.5" long and designed for the Firestone 16 x 6KS wheel with oval valve hole. Completely assembled with grommet, washers, hex nut, valve core and cap.

NTH **90-282**

Warning: Rim valve holes should always be inspected for burrs and cleaned if necessary.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TIRE VALVE STEM REPAIR KITS

	Contents	
	NTH **90-247**	*NTH* **90-248**
EPDM Rubber Grommets	5 Qty	5 Qty
Brass Hex Nuts	5 Qty	5 Qty
Brass Washers	5 Qty	—

Item No.	Description
NTH **90-247**	For TR500 Series Truck Tire Valves.
NTH **90-248**	For TR509 Series Truck Tire Valves.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TIRE VALVE STEM CORE HOUSING

Core housing fits old style TR218 & TR220 Air Liquid Agricultural Valves. Tire and rim number: TR CH-1.

NTH **90-232**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NTH **90-140**

SCREW-ON REPAIR VALVE

5" long brass repair valve with 90° single bend. Can be converted to double bend with bridge washer.

1/pack Item No.	25/pack Item No.	Tire & Rim Number	Straight Length
NTH **90-140**	*NTH* **90-140B**	TR 1078A	5.0"
NTH **90-148**	*NTH* **90-148B**	TR 1179A	5.313"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-275**

NTH **90-277**

NICKEL-PLATED BRASS VALVES FOR ALUMINUM DISC WHEELS

Single bend valve has 90° bend. For use with one-piece drop center aluminum disc wheels with .625" rim hole diameter.

Qty.	Item No.	Tire & Rim No.	Effective Length	Bend Angle
.625 In. Rim Holes				
1	*NTH* **90-275**	TR 509	4.75"	90°
1	*NTH* **90-279**	TR 510	5.5"	90°
25	*NTH* **90-276B**	TR 510	5.5"	90°
1	*NTH* **90-277**	TR 511	4.25"	90°

NTH **90-248** Valve Repair Kit (Includes all of the above valves)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE VALVE PLASTIC RIM NUT

Designed for use with air liquid tire valves *NTH* **90-222**. Pack of 10. Tire and rim number: LN-10.

NTH **90-228**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR LIQUID TIRE VALVE

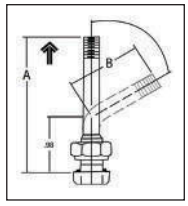
Includes removable core housing *NTH* **90-238**. Also includes valve core, cap hex nut, rubber grommet and washer. Length is 1⅞". Tire and rim number: TR 618A.

NTH **90-226**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-288**

NTH **90-283**



NICKEL-PLATED VALVES FOR ALCOA ALUMINUM WHEELS (METRIC)

Special-purpose valves feature heat-resistant O-ring seal and include heat-resistant valve core and heavy-duty, nickel-plated valve cap.

Item No.	Tire & Rim No.	Rim Hole Size	Height	Bend Angle	Length
NTH **90-283**	TR 543	9.7mm	2.4	—	—
NTH **90-284**	TR 543D	9.7mm	.98	60°	1.38
NTH **90-285**	TR 543E	9.7mm	.98	75°	1.38
NTH **90-287**	TR 544	9.7mm	2.9	—	—
NTH **90-288**	TR 544D	9.7mm	.98	60°	1.94
NTH **90-281**	TR 545D	9.7mm	.98	60°	2.60

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE VALVE RIM HOLE PLUG

RG-46 EPDM rubber grommet for the TR509 series valves. Pack of 10.

NTH **90-253**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE VALVE STEM RUBBER GROMMETS

Replacement grommets for TR500 series truck tire valves. Contains (10) RG-15 EPDM rubber grommets. Pack of 10.

NTH **90-250**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-222**

NTH **90-238**

TUBE-TYPE REAR WHEEL AGRICULTURAL VALVE

Agricultural valve with removable core housing to permit filling tire with ballast material more quickly. Includes core housing, rim nut, core and cap.

Item No.	Tire & Rim No.	Base Diameter
NTH **90-222**	Rear Wheel Valve TR 218A	2½"
NTH **90-238**	Core Housing TR CH3	—

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

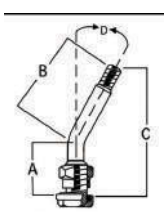
TUBELESS VALVES FOR IMPORT TRUCKS

Designed for Mack, Iveco, and Volvo-White trucks. Fits .382" (9.7mm) rim hole. Includes sealing O-ring, hex nut, valve core and cap.

Item No.	Michelin No.	Retro No.	Din No.	A	B	C	D
NTH **90-295**	964	VS-20-1	41MS9.7	—	—	1.42/36*	—
NTH **90-299**	1485	VS-20-4	87MS9.7	.95/25*	2.36/60*	—	27°
NTH **90-301**	1427	VS-20-6	—	.98/25*	3.35/85*	—	27°

**** Inches/millimeters***

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



Tire Valves

AIR LIQUID TIRE INFLATOR ADAPTER

Screws onto .482"-32 thread of all air liquid valves. Includes two bushings to fit .305"-32 valve cap threads and .406"-28 threads of old style air liquid valves. 3 pc. set.

NTH **90-234**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE VALVE ADAPTER GUN & CORE EJECTOR

Used with liquid filling tires. Features ½" female thread that attaches to any calcium tire filling pump. Extracts core or core housing into the gun body while filling the tire or evacuating liquid ballast. Brass and stainless steel parts.

NTH **90-235**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL VALVE ASSEMBLIES

Includes spud, valve core and cap.

Item No.	Tire &Rim No.	Height	Length	Degree of Bend
NTH **90-826**	J650-03	.234	3.125	80°

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RADIAL COMMANDER TIRE VALVE

Radial commander valve for 15 inch disc wheels featuring a 23° bend allows for clearance of brake drum and tire service.

- 2 in. valve length
- 5/8" rim hole size

BK **710-0018**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SWIVEL TUBELESS VALVES

Item No.	Tire & Rim No.	Height	Length	Degree of Bend
NTH **90-828**	J651-03	.234	4.69	90°
NTH **90-830***	J651-03	1.266	4.69	90°
NTH **90-837***	J4000-9	.234	9	90°
NTH **90-839***	J4000-27½	1.078	27.5	90°

*** Includes stem only.**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MOTORCYCLE TIRE VALVE

Full-threaded, 1.19" stem accommodates different rim thicknesses and fits .327" valve holes. Tire and rim number TR 430.

NTH **90-426**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

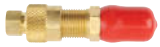
INDUSTRIAL TANK VALVES

Tank valves include valve core and metal valve cap. Thread size is 1/8" NPT. Features operating range of -75° to 400° F (-59° to 204° C). Max 200 PSI.

Item No.	Description	Effective Length
NTH **90-290**	Tank Valve	.906"
NTH **90-294**	Tank Valve	.531"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LARGE BORE VALVES

Item No.	Description	Tire & Rim No.	Length	Rim Hole Diameter	Degree of Bend	
NTH **90-836**	**Large Bore Valve** — Includes core, cap, and O-ring. Does not include spud.	TR J-670-2	1.5"	—	—	
NTH **90-842**	**Non-Swiveling Double Bend Valve** — For use primarily on planetary gear wheels.	—	4.6875"	.8125"	28° and 152°	
NTH **90-890**	**Large Bore Core Housing** — Agriculture type super large bore air liquid core housing has standard core and cap size. O-rings provide added protection against corrosion.	—	—	—	—	
NTH **90-800**	**Tubeless Tire Valve Spud** — For swivel valves. Used with stems to form complete assemblies.	TR SP-2	.6875	.8125"	—	
NTH **90-874**	**Clamp-In Tire Valve Spud**	—	—	.5"	85°	
NTH **90-875**	**Clamp-In Tire Valve Spud** — Features locking nut with Teflon seal allowing spud to be moved to any position.	—	—	.8125"	85°	
NTH **90-881**	**Large Bore Brass Valve** — Includes complete core housing and tubeless spud	—	2.34"	.8125"	—	
NTH **90-877**	**Clamp-In Tire Valve Spud** — Attaches any super large bore valve to rim. Tire must be dismounted to install spud.	—	—	.8125"	—	
NTH **90-873**	**Clamp-In Tire Valve Spud** — Large bore clamp-in spud can be installed or changed without dismounting the tire. Use 3/8" Allen wrench to tighten.	—	—	.8125"	—	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE VALVE ADAPTER

Converts large bore valve to standard valve mouth. Tire and rim number TR AD-1.

NTH **90-200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY TIRE VALVE CAP

Heavy-duty valve cap designed to fit the *NTH* **90-200** adapter. Screwdriver slot removes and inserts large bore cores. Tire and rim number: TR VC-4. Pack of 10.

NTH **90-192**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DOUBLE SEAL VALVE CAP

Positive sealing valve cap works with any tire valve cap but is ideal for high-pressure truck tires. Double O-ring seal allows regular air service without removal from stem.

NTH **90-191** Pack of 10
NTH **90-191-4** Pack of 4

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LONG SKIRTED VALVE CAP

Long skirted black plastic valve cap for TPMS rubber snap-in valves. Pack of 50.

NTH **92-0995-2**

NTH **90-194**

NTH **90-196**

TIRE VALVE CAPS

Qty.	Item No.	Tire & Rim No.	Description
10	*NTH* **90-194**	TR VC-6	Screwdriver slot on cap allows insertion and removal of *NTH* **90-106** valve core. Fits .482"-26 stem threads.
10	*NTH* **90-196**	TR VC-7	Hex top allows wrench tightening. First .482"-26 stem threads.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-180G-3**

NTH **90-181G-3**

NTH **90-187G-3**

NITROGEN TIRE VALVE CAPS

Nitrogen dust caps protect valve core from water and debris.

Qty.	Item No.	Description
100	*NTH* **90-180G-3**	Bright green plastic
100	*NTH* **90-181G-3***	Dark green plastic with seal
100	*NTH* **90-187G-3***	Dark green metallic with seal

***Appropriate for custom wheel applications/TPMS**

Tire Valves & Caps

TIRE PRESSURE MONITORING SYSTEM SENSOR CAP

TPMS grey plastic valve seal caps are designed specifically to guard against moisture buildup on valve stem. Pack of 25.

NTH **92-0250**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-180** *NTH* **90-184** *NTH* **90-186** *NTH* **90-187-4** *NTH* **90-190**

TIRE VALVE CAPS STANDARD BORE

Qty.	Item No.	Tire & Rim No.	Description
4	*NTH* **90-100-4**	—	• Black plastic
100	*NTH* **90-180**	TR VC-8	Plastic dust cover silicone seal. Black
100	*NTH* **90-184**	TR VC-2	Nickel-plated brass cap with core extractor head. Silicone seal
25	*NTH* **90-184-1**	TR VC-2	Nickel-plated brass cap with core extractor head. Silicone seal
4	*NTH* **90-184-4**	TR VC-2	Nickel-plated brass cap with core extractor head. Silicone seal
25	*NTH* **90-186**	—	Dome cap with heavy-duty silicone seal for high temp conditions. Chrome finish
4	*NTH* **90-187-4**	—	Dome cap with chrome finish. Silicone seal
100	*NTH* **90-190**	TR VC-3	Nickel-plated brass. Dome cap silicone seal

NOTE: Not for use with TPMS valves.

⚠ **WARNING: (***NTH* **90-100-4,** *NTH* **90-184,** *NTH* **90-184-1,** *NTH* **90-184-4,** *NTH* **90-186,** *NTH* **90-187-4 &** *NTH* **90-190) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-100** *NTH* **90-108**

STANDARD BORE TIRE VALVE CORES

Qty.	Item No.	Tire & Rim No.	Description
5	*NTH* **90-100**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
25	*NTH* **90-100-1**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
1 Pack of 25	*NTH* **90-100-1PK**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
100	*NTH* **90-100-3**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
1 Pack of 100	*NTH* **90-100-3PK**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
200	*NTH* **90-100-4PK**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
100	*NTH* **90-108**	TR C-4	Valve core for use on buses and trucks and appropriate for high and low temperature extremes.

⚠ **WARNING: (***NTH* **90-100,** *NTH* **90-100-1,** *NTH* **90-100-1PK,** *NTH* **90-100-3PK,** *NTH* **90-100-4PK &** *NTH* **90-108) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

⚠ **WARNING: (***NTH* **90-100-3) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LARGE BORE TIRE VALVE CORES

For large bore valves. Made with special rubber compound for an effective seal in high-pressure and high-temperature conditions. Pack of 10.

NTH **90-106**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NICKEL-PLATED VALVE CORES

TPMS Electroless nickel-plated valve cores for use with TPMS valves. Failure to use Electroless nickel-plated core results in galvanic corrosion and eventual tire pressure loss. Pack of 25.

NTH **92-0255**

TIRE VALVE CORE HOUSING

Super large bore core housing includes O-ring seal, valve core and cap. Compatible with flexible extensions.

NTH **90-879**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-319** *NTH* **90-320** *NTH* **90-324** *NTH* **90-325** *NTH* **90-326**

TIRE VALVE EXTENSIONS

Qty.	Item No.	Description
4	*NTH* **90-319**	¾" Metal Valve Extensions
50	*NTH* **90-319-2**	¾" Metal Valve Extensions
4	*NTH* **90-320**	1¼" Metal Valve Extensions, 100 PSI Max.
50	*NTH* **90-320-2**	1¼" Metal Valve Extensions
4	*NTH* **90-324**	¾" Plastic Valve Extensions
50	*NTH* **90-324-2**	¾" Plastic Valve Extensions
4	*NTH* **90-325**	1¼" Plastic Valve Extensions
50	*NTH* **90-325-2**	1¼" Plastic Valve Extensions
4	*NTH* **90-326**	1½" Plastic Valve Extensions
50	*NTH* **90-326-2**	1½" Plastic Valve Extensions

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Specifications subject to change without notice.
Units may not be exactly as pictured.

TRUCK VALVE EXTENSIONS

Standard valve extensions screw onto the .305"-32" valve cap threads of bus and truck valves making them more accessible to normal air service.

Qty.	Item No.	Effective Length
1	*NTH* **90-302**	3.06"
25	*NTH* **90-302B**	3.06"
1	*NTH* **90-305**	6.06"
1	*NTH* **90-304**	6.06"
25	*NTH* **90-304B**	6.06"
1	*NTH* **90-306**	5.06"
25	*NTH* **90-306B**	5.06"
1	*NTH* **90-312**	2.25"
25	*NTH* **90-312B**	2.25"
1	*NTH* **90-314**	4.44"
25	*NTH* **90-314B**	4.44"

NTH **90-305**

NTH **90-302**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXIBLE VALVE EXTENSIONS

Flexible extensions featuring braided steel hose for protection against cuts and abrasions. Includes metal valve cap and built-in clamp for securing to outer wheel cut out.

NTH **90-329** 7" Extension
NTH **90-330** 10" Extension

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DUAL WHEEL FLEXIBLE VALVE EXTENSIONS

Flexible valve extensions are 6.3" to provide easy access to inner dual wheels on campers, RVs and light trucks. Fits onto standard valve cap threads and includes clamp for securing wheel cut out.

NTH **90-315** Pack of 1
NTH **90-315B** Pack of 25

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VALVE STABILIZER KITS

Designed for Alcoa aluminum wheel truck valves. Kits contain 2 rubber stabilizers and 2 metal extensions with effective length of 5". 1" Collar extends beyond valve threads providing additional support. Rubber stabilizer supports valve stem and extension assembly to protect stem from breakage due to road vibration.

NTH **90-327**

Item No.	Description
NTH **90-327**	Rubber stabilizer fits standard 2" outer wheel hand hole. For 22½" Alcoa wheel.
NTH **90-328**	Rubber stabilizer fits standard 2.19" outer wheel hand hole. For 24½" Alcoa wheel.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RIGID TIRE VALVE EXTENSIONS

Rigid, all-metal construction for mounting in a straight line with valve mouth. Valve core activated by full-length plunger pin. Fits .482"-26 large bore valve thread. Hex nuts included on valves 5" and longer.

Item No.	Effective Length
NTH **90-852**	3"
NTH **90-854**	4"
NTH **90-856**	4.5"
NTH **90-858**	5"
NTH **90-860**	5.5"
NTH **90-862**	7.25"
NTH **90-864**	7.75"
NTH **90-866**	10.75"
NTH **90-868**	12.5"
NTH **90-870**	18.75"

NTH **90-852**

NTH **90-856**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LARGE BORE FLEXIBLE VALVE EXTENSION

Includes all hardware needed to produce a factory quality extension in the field. Requires *NTH* **90-883** assembly tool.

NTH **90-876**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE PRESSURE MONITORING SYSTEM SERVICE TOOL

Screwdriver style valve core torque tool features plastic handle for better grip, metal shaft for added durability, and convenient pocket clip.

NTH **92-1502**

CORE DRIVER & DEFLATING TOOL

Aids in grommet seating and in core installation and removal.

NTH **90-992**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEX NUT DRIVER

Aids in mounting straight, tubeless truck valves. Hollow shank accommodates most valve lengths.

NTH **90-359**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORE EXTRACTOR TOOL

Damaged core extractor features hardened steel shank and easy grip plastic handle.

NTH **90-365**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Tire Valve Tools

TIRE VALVE ADAPTER

Designed to insert or extract core housing and hold it in the adapter body out of air or liquid flow while filling or evacuating tire. When adapter is attached to pressure valve, tire pressure can be checked without disconnecting. Features ½" pipe thread.

NTH **90-885**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORE DRIVER TOOL

For faster removal and insertion of large bore cores, even if stem threads are filled with dirt and debris.

NTH **90-360**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LARGE BORE 4-WAY VALVE TOOL

Includes die and tap to repair core threads, screwdriver for inserting and removing cores, and broken core extractor.

NTH **90-358**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR ASPIRATOR VALVE

Completely deflates large bore tubes. Vacuum effect created when chucking air line to side thread.

NTH **90-212**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov.**

SCREWDRIVER HANDLE VALVE CORE TOOL

Screwdriver simplifies installation and removal of standard valve cores. Plastic screwdriver type handle for better grip and leverages. All metal construction with plastic handle.

NTH **90-363**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ALUMINUM VALVE CORE TOOL

Screwdriver simplifies installation and removal of standard valve cores. All metal construction.

NTH **90-362**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VALVE FISHING TOOL

Centers valve in rim hole while mounting tires. Can be used with .453" and .625" diameter rim holes. Includes *NTH* **90-346** double end tool at end.

NTH **90-356**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DOUBLE USE TOOL

Deflates tires and tubes. Removes valve cores.

NTH **90-346**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TUBELESS TIRE VALVE INSERTING TOOL

Used for the installation of rubber covered snap-in valves.

NTH **90-370**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOUR-WAY TIRE VALVE TOOL

Features core screwdriver and broken core extractor. Repairs core and stem threads.

NTH **90-344**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE TREAD DEPTH GAUGE

Used for measuring depth of tire thread in 1/32" units from 0 to 1".

NTH **90-376**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIGITAL TREAD DEPTH GAUGE

Accurately determines the amount of tread left on tire.

NTH **90-396**

POCKET TIRE SERVICE KIT

Convenient set of service tools comes in plastic protector. Set includes tire pressure gauge, valve core extracting tool, and tire tread depth gauge.

NTH **90-9850**

Contents

Item No.	Description
NTH **90-385**	Tire Pressure Gauge
NTH **90-363**	Valve Core Extracting Tool
NTH **90-376**	Tire Tread Depth Gauge

Specifications subject to change without notice. Units may not be exactly as pictured.

SLIDE TIRE GAUGE
Pocket-sized tire gauge with silver anodized finish for passenger car use. Nylon bar and angled chuck. Measures 5 to 50 PSA in 1-lb. increments and 40 to 350 kPa in 10-kPa increments.

NTH **90-384**

POCKET-SIZED SLIDE TIRE GAUGE
Pocket-sized, high-pressure tire gauge with chrome-plated finish for passenger car use. Nylon bar and angled chuck. Measures 10 to 120 PSA in 2-lb. increments and 80 to 840 kPa in 20-kPa increments.

NTH **90-387**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

POCKET TIRE GAUGE
Pocket-sized tire gauge with chrome-plated finish for passenger car use. Nylon bar and angled chuck. Measures 10 to 75 PSI in 1-lb. increments and 70 to 500 kPa in 10-kPa increments.

NTH **90-385**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STRAIGHT TIRE GAUGE
Pocket-sized with silver anodized finish and straight, push-on head. Measures 5 to 50 PSI in 1-lb. increments.

NTH **90-389**

AUTOMOTIVE POCKET GAUGE
Pencil gauge reads from 10 to 50 PSI. Reads in PSI and kPa and features 4-sided bar.

NTH **90-984NTH**

POCKET TIRE GAUGE
Passenger car gauge is chrome plated for durability. Nylon bar measures 10 to 50 PSI in 1-lb. increments.

NTH **90-378**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PRECISION TIRE PRESSURE GAUGE
Compact dial air pressure gauge for use on cars, SUVs and RVs. Easy-to-read dial provides accurate pressure reading from 3 to 60 PSI.

NTH **90-2002** Chrome
NTH **90-2003** Orange

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

HIGH-PERFORMANCE DIAL GAUGE
High-pressure gauge with single, straight chuck. Rubber bumper protects gauge from damage and pressure reading locks when sleeve is pulled back. Measures from 0 to 60 PSI in 2-lb. increments and 0 to 410 kPa in 10-kPa increments.

NTH **90-395**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIAL PRESSURE GAUGE
Swivel chuck for hard-to-reach valve installation and bleed valve for easy and precise pressure adjustment. Measures from 0 to 60 PSI in 2-lb. increments and 0 to 1100 kPa in 20-kPa increments.

NTH **90-391**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STRAIGHT & ANGLED TIRE GAUGE
Gauge features straight chuck for inside dual wheels and 30° reverse angle for use on outside wheels. Measures 10 to 150 PSI in 2-lb. increments and 80 to 120 kPa in 20-kPa increments.

NTH **90-383**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Tire Pressure Gauges

HEAVY-DUTY TIRE GAUGES WITH BLACK BAKED EPOXY POWDER

Maintaining recommended tire pressure improves gas mileage, extends tire life, and improves road handling. Heavy-duty gauges resist corrosion. Extra long chuck heads make checking tire pressure easier.

Item No.	Description	PSI	kPa
NTH **90-3000**	Dual-Foot Pocket Truck Gauge with Angled Chuck Head	10 to 120 PSI in 2-lb. increments	80 to 840 kPa in 20 kPa increments
NTH **90-3002**	Dual-Foot Pocket Truck Gauge with Angled and Straight Chuck Head	20 to 120 PSI in 2-lb. increments	80 to 840 kPa in 20 kPa increments
NTH **90-3004**	Dual-Foot Service Truck Gauge with Angled and Straight Chuck Head	10 to 150 PSI in 2-lb. increments	80 to 1040 kPa in 20 kPa increments
NTH **90-3006**	Dual-Foot Service Truck Gauge with Angled Chuck Heads	10 to 150 PSI in 2-lb. increments	80 to 1020 kPa in 20 kPa increments

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MASTER PRESSURE TIRE GAUGE

Master gauge with dual-foot construction is used to check other gauges. Suitable for inside and outside dual wheels regardless of the angle of the valve. Measures from 10 to 165 PSI in 2-lb. increments and 100 to 1140 kPa in 20-kPa increments.

NTH **90-390**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ADJUSTABLE TIRE PRESSURE GAUGE

Adjustable pressure gauge can be recalibrated for accuracy.

NTH **90-399**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STANDARD & LARGE BORE SWIVEL HEAD TIRE GAUGE

Swivel head chuck for adjusting between straight, push-on, and right angle use. Can be used on standard or large bore valves. Measures from 10 to 150 PSI in 2-lb. increments.

NTH **90-392**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SPECIAL APPLICATION PRESSURE GAUGES

LOW-PRESSURE TIRE GAUGE

For use on recreational vehicle tires, racing tires, and other low-pressure applications. Gauge has red anodized finish and measures 1 to 20 PSI in ½-lb. increments.

NTH **90-379**

HIGH-PRESSURE BIKE GAUGE

Chrome-plated for durability. Measures from 10 to 120 PSI in 2-lb. increments.

NTH **90-381**

AIR LIQUID TRACTOR TIRE PRESSURE GAUGE

For use on off-highway tires filled with liquid ballast. Features chrome-plated finish and measures 5 to 50 PSI in 1-lb. increments.

NTH **90-380**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DUAL-FOOT TIRE GAUGE

Chrome-plated with metal indicator bar. Measures from 10 to 150 PSI in 2-lb. increments and 80 to 1020 kPa in 20-kPa increments.

NTH **90-382**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DUAL-FOOT POCKET TIRE GAUGE

Pocket-sized with chrome-plated finish. Dual-foot angled chuck. Measures 10 to 120 PSA in 2-lb. increments and 80 to 840 kPa in 20-kPa increments.

NTH **90-388**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIGITAL POCKET TIRE GAUGE

Gauge features easy-to-read LCD display for accurate and precise readings, air bleed, and protective casing. Pressure reading from 1 to 100 PSI in 1 lb. increments.

NTH **90-3010**

DIY DIGITAL DIAL TIRE GAUGE
Gauge features a short, straight chuck and digital LCD display. Measures pressures between 1 to 100 PSI.

NTH **90-3011**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LOW-PRESSURE DIAL GAUGE
Low-pressure gauge with single, straight chuck. Perfect for recreational, racing, and other vehicles with low-pressure tires. Rubber bumper protects gauge from damage, and pressure reading locks when sleeve is pulled back. Measures from 0 to 15 PSI in 2-lb. increments.

NTH **90-394**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PERFORMANCE DIGITAL DIAL GAUGE
Gauge features a ball foot chuck, low battery indicator, digital LCD display, and bleed valve. Measures pressures between 1 to 100 PSI.

NTH **90-3012**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIGITAL TRUCK GAUGE
Gauge features dual-foot angled chuck, low battery indicator, LCD display, and bleed valve. Measures pressures up to 160 PSI.

NTH **90-3013**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DIGITAL HEAVY-DUTY TRUCK GAUGE
Gauge features straight, dual-foot chuck, LCD display, and bleed valve. Measures pressures up to 160 PSI.

NTH **90-3014**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

2-IN-1 TIRE PRESSURE & TREAD DEPTH GAUGE
2-in-1 Gauge offers convenience for customer to measure tire depth while checking tire pressure. Provides extra tire safety check.

NTH **90-538**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

TIRE GAUGE TESTING SYSTEM
Connects to air line valve to check gauges for accuracy from 0 to 200 PSI and indicates which valves need to be replaced. Includes a certificate of accuracy for ISO9001 records. Measures bar, kPa, PSI and kg/cm2.

NTH **90-397**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MASTER TIRE GAUGE TESTING SYSTEM
Connects to air line valve to check gauges for accuracy from 0 to 200 PSI and indicates which valves need to be replaced. Includes a certificate of accuracy for ISO9001 records. Measures bar, kPa, PSI and kg/cm2.

NTH **90-398**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR IN LINE INFLATION TOOL WITH DIGITAL GAUGE
Three function handle checks tire pressure, releases pressure and inflates tire. Large 2.6" digital gauge with 360° swivel. Inflator tube length 23". Positive action tire inflator chuck.

Specifications

Gauge Range: ..... 2 to 150 PSI (11 bar, 1100 kPa).
Displays..... PSI, bar kPa, and kgs. 0.1 PSI resolution.
2 to 110 PSI (+ / - 2 PSI), 111+ PSI (+ / - 3 PSI).
Working Temp:..... 32° F to 113° F (0° to 45° C).

NTH **90-537**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Tire Pressure Gauge & Inflators

CRAFTSMAN

100 PSI DIGITAL TIRE PRESSURE GAUGE

- Maintain safe and fuel efficient tire pressure with this easy to use digital tire gauge
- Backlit display and lighted nozzle for improved visibility
- 30-second automatic shutoff to preserve battery, or hold button for 3 seconds to shut off manually
- Accurate up to 100 PSI, readings displayed in PSI, BAR, KPA or KGF/CM2

CTM **CMMT14134**

CRAFTSMAN

V20* CORDLESS INFLATOR (TOOL ONLY)

V20* Cordless Inflator (Tool Only) provides added versatility allowing the user the freedom to use this product with a V20* battery, AC wall plug, or with a vehicles 12V adapter. Tackle any task ranging from an air mattress to a automobile tire. The automatic shutoff feature allows you to enter your PSI setting and walk away, while the digital gauge provides an easy to read display.

- Low Volume Output: High pressure allows you to quickly inflate anything from a tire to an air mattress
- Ultimate Convenience: 3-Power sources - V20 20V MAX* battery: AC wall plug: or 12V car adapter plug
- Automatic Shutoff: Allows you to set your PSI and the unit will shutoff once it is reached
- Easy Read Display: Digital PSI gauge

Includes:

- CMCE520 Inflator
- Ball needle
- Presta valve adapter
- Small inflatable adapter
- Large volume hose

Battery and charger sold separately

CTM **CMCE520B**

DEWALT

20V MAX* CORDED/CORDLESS AIR INFLATOR

- High-pressure inflation mode with automatic shutoff
- High-volume inflation and deflation modes
- LED light helps to provide illumination
- Three power sources** for inflation on a jobsite and on the go Convenient onboard accessory storage
- Heavy-duty rubber feet help reduce walking when in use
- Threaded chuck for secure connection to inflation valve

Specifications

2V DC Cord Length	13.75'
High Pressure Operating Range	3 - 160 PSI
High Pressure SCFM	0.5 (Tested per ISO1217)
High Volume SCFM	15.2
Hose Length (High Pressure)	29"
Power Supply	20V MAX*, 12V DC, 110V AC**
Dimensions	5.2" L x 11.9" W x 9.8" H
Weight	5.5 lbs.

DEW **DCC020IB**

***20V MAX* battery, 12V DC, or 110V AC.**

FLEXZILLA

STRAIGHT-ON TAPERED CHUCK TIRE INFLATOR

- 12" Flexzilla hose
- Designed for use on compressed air lines
- Indicator bar is calibrated in 2 PSI increments
- Heavy duty Flexzilla tire inflator equipped with a straight-on chuck with a 12" hose length. Delivers accurate pressure to car, truck, bike, and off-road tires
- Brass internal parts
- ¼" MNPT hose end
- ZillaGreen™ hose

NPT **61-3846**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

FLEXZILLA

TRUCK TIRE INFLATOR KIT

- 30° Dual air chuck
- ¼" MNPT fitting
- Glad-hand attachment
- Flexzilla Truck tire inflator kit uses a truck's on-board air supply to inflate tires in remote situations
- ⅜" ID x 50' Flexzilla air hose
- ZillaGreen™ hose

NPT **61-3848**

WARNING: Cancer - www.P65Warnings.ca.gov

FLEXZILLA

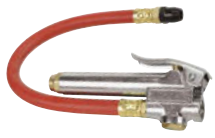
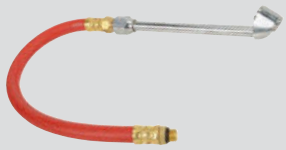
TIRE INFLATOR

- With 3 and 15' quick connect hose
- Lock on chuck
- 10 - 170 PSI range
- Trigger actuated deflate function
- Quick connect plug and coupler system
- Hose lays flat, no memory
- Durable and abrasion-resistant outer cover
- Flexzilla tire inflator equipped with a dial gauge, protective outer cover, deflate function, and hose extensions. Delivers accurate pressure to car, truck, bike, and off-road tires
- ZillaGreen™ hose
- Extreme all-weather flexibility -40 to 140° F (-40 to 60° C)

NPT **61-3847**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

AIR LINE INFLATOR GAUGES

Item No.	Description	Calibration (PSI/KPA)	Units	Thread Size	Hose Length	
NTH **90-466**	**Economy Inflator Gauge** — Straight chuck fits through most wheel cover holes.	10-90	2	—	12"	
NTH **90-468**	**Standard Inflator Gauge** — Dual-foot chuck and hose with indicator bar enclosed in gauge body and viewable through sight glass.	10-120	—	—	12"	
NTH **90-464**	**Heavy-Duty Inflator Gauge** — Gauge and inflate dual tires on trucks and buses in addition to passenger cars and light trucks. Plastic indicator, hose, and clip-on ball foot chuck.	10-120	—	—	12"	
NTH **90-475**	**Deluxe Dial Inflator Gauge** — Easy-to-read gauge, oil- and ozone-resistant rubber hose. Reduce pressure without removing chuck from valve with bleed valve. Designed specifically for tire shops with rubber bumper to protect gauge from damage	0-160	—	—	12"	
NTH **90-462**	**Inflator Gauge with Bleed Valve & Grip-Tight Chuck** — Gauge and inflate dual truck and bus tires in addition to passenger car and light truck tires. Brass indicator and hose extension. Adjust pressure without touching tire or valve stem.	10-120	—	—	36"	
NTH **90-462-6**	**Inflator Gauge with Bleed Valve & Grip-Tight Chuck**	10-120	—	—	72"	
NTH **90-460**	**Inflator Gauge with Bleed Valve and Clip-On Ball Foot Chuck** — Gauge and inflate truck, bus, passenger car and light truck tires. Brass indicator and hose extension with clip-on ball foot chuck.	10-120	—	—	36"	
NTH **90-460-6**	**Inflator Gauge with Bleed Valve and Clip-On Ball Foot Chuck**	10-120	—	—	72"	
Replacement Hoses						
NTH **90-461**	**Tire Inflator Gauge Hose** — Rubber, oil- and ozone-resistant hose assembly with clip-on ball foot chuck and bleed valve.	0-300	—	3/8"–24 NPT	36"	
NTH **90-469**	**Tire Inflator Gauge Hose** — Rubber, oil- and ozone-resistant hose for use only as replacement air line hose.	0-300	—	1/4" & 3/8"-24 MNFT	12"	
NTH **90-465**	**Tire Inflator Gauge Hose** — For use only with air line hose. Made of flexible, oil- and ozone-resistant rubber.	0-300	—	3/8"-24 NPT	12"	
NTH **90-467**	**Tire Inflator Gauge Hose** — Rubber, oil- and ozone-resistant hose assembly with straight-on chuck.	0-300	—	3/8"–24 NPT	12"	

WARNING: Do not inflate tires on a rim made of 2 or more individual pieces unless using a tire inflation cage approved by OSHA or DOT. OSHA regulations mandate that an inflator gauge must be equipped with a lock-on chuck and a hose extension long enough for the operator to stand out of the path of a multi-piece rim. The hose you choose (36" or 72") will depend upon the user's specific application and equipment.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

AIR LINE CHUCKS

Item No.	Description	Type	Chuck Thread Size	Length	
NTH **90-518***	**Ball Foot** — Chrome plated.	Closed	1/4" FPT	—	
NTH **90-520***	**Ball Foot** — Can be used on all air lines.	Closed	1/4" MPT	—	
NTH **90-522***	**Ball Foot** — Zinc diecast	Closed	1/4" FPT	—	
NTH **90-523***	**Ball Foot** — Solid brass	Closed	1/4" FPT	—	
NTH **90-524***	**Clip-On** — Ball foot chuck for use on all air lines. Spring clip keeps chuck on valve during inflation.	Closed	1/4" FPT	—	
NTH **90-532***	**Clip-On** — Fits in place of screw nut on ball foot air chucks. Keeps chuck secured to valve during inflation.	Closed	1/4" FPT	—	
NTH **90-533***	**Large Bore Clip-On** — Clips on large bore valves when sleeve is moved forward and releases when sleeve is pulled back.	Closed	1/4" FPT	—	
NTH **90-536***	**Clip-On** — Clip-on straight chuck locks onto threads of standard valve cap during inflation. Normally closed.	Closed	1/4" FPT	—	
NTH **90-5222***	**Euro-Style Clip-On**	Closed	1/4" FPT	—	
NTH **90-5261**	**Euro-Style Clip-On**	Open	1/4" FPT	—	
NTH **90-507**	**Clip-On**— Replacement air line chuck used for European tire changes.	Open	1/4" FPT	—	
NTH **90-526**	**Clip-On Ball Foot** — Compatible with most tire changers.	Open	1/4" FPT	—	
NTH **90-455**	**Straight Clip-On** — Clip-on chuck locks onto standard valve stem cap threads when sleeve is pushed forward and releases when the sleeve is pulled back.	—	1/4" FPT	—	
NTH **90-500***	**Straight-Line** — Chrome-plated chuck. Inside grooving locks onto threads of valve cap when tilted.	Closed	1/4" FPT	5"	
NTH **90-501**	**Straight-Line** — Chrome-plated chuck. Inside grooving locks onto threads of valve cap when tilted.	Open	1/4" FPT	5"	
NTH **90-531***	**Straight Lock-On** — Locks to mouth of valve when cocked on threads. For large bore.	Closed	1/4" FPT	4"	
NTH **90-516***	**Straight Lock-On** — Locks to mouth of valve when cocked on threads.	Closed	1/4" FPT	1"	

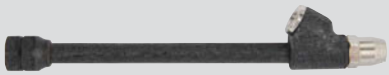
*** Normally closed chucks on are for use on standard air lines and are normally closed. They open when applied to valve stem. DO NOT USE ON ANY VALVE CONTROLLED INFLATION DEVICE OR ON INFLATOR GAUGES.**

WARNING: Using any of these products contrary to specifications and directions could result in injury and/or damage to property.

⚠ **WARNING: (*NTH* 90-518, *NTH* 90-520, *NTH* 90-522, *NTH* 90-523, *NTH* 90-524, *NTH* 90-532, *NTH* 90-533, *NTH* 90-536, *NTH* 90-507, *NTH* 90-526, *NTH* 90-455, *NTH* 90-500, *NTH* 90-501, *NTH* 90-531 & *NTH* 90-516) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NTH* 90-5222, NTH 90-5261) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DUAL-FOOT AIR LINE CHUCKS

Item No.	Description	Type	Chuck Thread Size	Length	
NTH **90-5004**	**Dual-Foot** — Corrosion-resistant. Black baked epoxy powder finish.	Open	1/4" FPT	7"	
NTH **90-5006**	**Dual-Foot Grooved** — Corrosion-resistant. Black baked epoxy powder finish. Grooving inside locks onto threads of valve cap for easier inflation.	Open	1/4" FPT	7"	
NTH **90-5008***	**Dual-Foot Straight** — Corrosion-resistant. Black baked epoxy powder finish. Grooving inside locks onto threads of valve cap for easier inflation.	Closed	1/4" FPT	14"	
NTH **90-5010**	**Dual-Foot Straight** — Corrosion-resistant, Black baked epoxy powder finish. Grooving inside locks onto threads of valve cap for easier inflation. Repair Kit *NHT* **90-510**	Open	1/4" FPT	14"	
NTH **90-529**	**Angled Dual-Foot** — Angled chuck for dual wheel inflation.	Open	1/4" FPT	—	
NTH **90-5000***	**Dual-Foot Angled** — Corrosion-resistant. Black baked epoxy powder finish.	Closed	1/4" FPT	7"	
NTH **90-5002***	**Dual-Foot Straight-Angled** — Corrosion-resistant. Black baked epoxy powder finish.	Closed	1/4" FPT	7"	
NTH **90-528***	**Angled Push-Pull Dual-Foot** — Angled push-pull chuck with 150 PSI max.	Closed	1/4" FPT	—	
NTH **90-503***	**Straight/Angled Dual-Foot Lock-On** — For dual wheel applications. Chuck heads are extra deep and grooved inside allowing the chuck to lock onto valve stem.	Closed	1/4" FPT	—	
NTH **90-519***	**Dual-Foot Straight** — Works with large and standard bore valves.	Closed	1/4" FPT	7"	

*** Normally closed chucks on are for use on standard air lines and are normally closed. They open when applied to valve stem. DO NOT USE ON ANY VALVE CONTROLLED INFLATION DEVICE OR ON INFLATOR GAUGES.**

WARNING: Using any of these products contrary to specifications and directions could result in injury and/or damage to property.

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

AIR CHUCK REPAIR KITS & PARTS

Item No.	Description	Type	Package Qty.	
NTH **90-510**	**Dual-Foot Chuck** — Kit includes 2 rubber washers, 2 deflators, and 2 screw nuts.	Open	1	
NTH **90-502**	**Dual-Foot Chuck** — Rubber washers only.	Open	10	
NTH **90-512**	**Ball Foot Chuck** — Kit includes 5 rubber washers, 1 deflator pin, and 1 screw nut.	Closed	1	
NTH **90-504**	**Ball Foot Chuck** — Rubber washers only.	Closed	10	

⚠ WARNING: (*NTH* 90-5110 & *NTH* 90-512) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: (*NTH* 90-502 & *NTH* 90-504) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Blow Guns

CARLYLE TOOLS by NAPA

OSHA BLOW GUN WITH 4 IN. COMPOSITE NOZZLE

This OSHA compliant air blow gun is made of sturdy-composite high tech material. Progressive flow trigger action enables precise adjustment of airflow rates. Sturdy non-slip, thermal insulated and ergonomic non-slip body of the blow gun fits comfortably in your hand for effortless use. Directional blowing nozzle angle and natural orientation of air flow to ensure precise work. OSHA compliant stamped venture.

Specifications

Max. Pressure: ..... 145 PSI
Blower Force: ..... 90 PSI
Material: ..... Composite
Nozzle Length: ..... 4"
Nozzle Type: ..... Directional
Thread Size: ..... 1/4"
In-line Blow Gun: ..... No
Liquid Compatible: ..... No
Weight: ..... 4.2 oz.

NPT **61-1242**

S.U.R.&R.

FLEX AIR BLOW GUN KIT

- Features UltraBEND® Brake Tubing from S.U.R.&R. to customize your own nozzle extension for those hard to reach places and clean out areas you could never reach before.
- Capable of housing flexible nozzle extension
- EZ grip handle for better control
- 10-inch length

Contents: (1) *SER* **FA100** Flex Air Blow Gun, (4) *SER* **BR1150** 1/4" Tubing Connectors, (1) *SER* **BR-EZ200** 1/4" UltraBEND® Tubing

SER **FA14**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA

FLEXZILLA™ X3™ 6 PC. BLOW GUN KIT

Flexzilla X3 6 Pc. Blow Gun Kit includes the Flexzilla X3 blow gun, Xtreme-Flo safety nozzle, Quiet-Flo safety nozzle, Tri-Thrust safety nozzle, 6" extension, and chip guard. Ergonomically superior gun body for maximum comfort and control that reduces operator fatigue. Unique modular accessory system, allowing you to customize the gun extension length and accessories for a given application. 1/4" FNPT Inlet.

NPT **61-3944**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FLEXZILLA

FLEXZILLA™ X1™ 10 PC. BLOW GUN KIT

Flexzilla X1 10 Pc. Blow Gun Kit includes the Flexzilla X1 blow gun, Xtreme-Flo safety nozzle, Quiet-Flo safety nozzle, rubber tip, three needle tips, tip adapter and two 6" extensions. The Flexzilla X1 blow gun features a variable flow trigger. Ergonomically superior gun body for maximum comfort and control that reduces operator fatigue. Unique modular accessory system, allowing you to customize the gun extension length and accessories for a given application. 1/4" FNPT Inlet.

NPT **61-3945**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FLEXZILLA

FLEXZILLA™ X3™ BLOW GUN W/ QUIET-FLO SAFETY NOZZLE

- Meets or exceeds OSHA standards. Meets OSHA numbers 1910.95 (a), 1910.242 (b)
- 36 CFM, 87 dBA
- The Flexzilla X3 blow gun features a variable flow trigger. Includes Quiet-Flo safety nozzle
- Nozzle length: 1.875"
- Thread size: 1/4" FNPT Inlet
- Maximum inlet pressure: 120 PSI

NPT **61-3946**

FLEXZILLA

FLEXZILLA™ X3™ BLOW GUN W/ XTREME-FLO SAFETY NOZZLE

- Meets or exceeds OSHA standards. Meets OSHA number 1910.242 (b)
- 50 CFM, 99 dBA
- The Flexzilla X3 blow gun features a variable flow trigger. Includes Xtreme-Flo safety nozzle
- Maximum inlet pressure: 120 PSI
- Aluminum body
- Nozzle is interchangeable
- Nozzle length: 2"
- Thread size: 1/4" FNPT Inlet

NPT **61-3947**

FLEXZILLA

FLEXZILLA™ X1™ BLOW GUN W/ QUIET-FLO SAFETY NOZZLE

- Meets or exceeds OSHA standards. Meets OSHA numbers 1910.95 (a), 1910.242 (b)
- The Flexzilla X1 blow gun features a variable flow trigger. Includes Quiet-Flo safety nozzle
- 36 CFM, 87 dBA
- Maximum inlet pressure: 120 PSI
- Aluminum body
- Nozzle is interchangeable
- Nozzle length: 1.875"
- Thread size: 1/4" FNPT Inlet

NPT **61-3948**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FLEXZILLA™ X1™ BLOW GUN W/ XTREME-FLO SAFETY NOZZLE

- Meets or exceeds OSHA standards. Meets OSHA number 1910.242 (b)
- 43 CFM, 99 dBA
- The Flexzilla X1 blow gun features a variable flow trigger. Includes Xtreme-Flo safety nozzle
- Maximum inlet pressure:120 PSI
- Aluminum body
- Nozzle is interchangeable
- Nozzle length: 2"
- Thread size: 1/4" FNPT Inlet

NPT **61-3949**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FLEXZILLA™ XTREME-FLO SAFETY NOZZLE

- 50 CFM, 99 dBA when used with Flexzilla X3 Blow Guns
- The Xtreme-Flo nozzle increases the velocity and volume of air exiting the nozzle boosting the available thrust up to 250% by drawing in ambient air through two side ports
- This nozzle reduces noise levels to 6-20 dB less than conventional open air jets while providing a focused air stream. The Quiet-Flo nozzle is compatible with all Flexzilla accessories and blow guns
- 43 CFM, 99 dBA when used with Flexzilla X1 Blow Guns
- Tip thread size: 1/2-20 UNF
- Fits blow guns *NPT* **61-3946**, *NPT* **61-3947**, *NPT* **61-3948** and *NPT* **61-3949**

NPT **61-3950**

FLEXZILLA™ QUIET-FLO SAFETY NOZZLE

- A solid conical nozzle prevents blockage
- The Quiet-Flo nozzle has a 1/2"- 20 UNF male thread. The Quiet-Flo nozzle increases thrust while decreasing the amount of compressed air used. Quiet-Flo satisfies OSHA safety standards with a reduction of noise levels
- 36 CFM, 87 dBA when used with Flexzilla X3 Blow Guns
- 36 CFM, 87 dBA when used with Flexzilla X1 Blow Guns
- Thread size: 1/2-20 UNF
- Fits blow guns *NPT* **61-3946**, *NPT* **61-3947**, *NPT* **61-3948** and *NPT* **61-3949**

NPT **61-3951**

FLEXZILLA® 12 IN. BLOW GUN EXTENSION

This extension has a 1/2"-20 UNF male thread. The extension is compatible with all Flexzilla accessories and blow gun bodies. Aluminum. Fits part numbers *NPT* **61-3946**, *NPT* **61-3947**, *NPT* **61-3948** and *NPT* **61-3949**

NPT **61-3954** 12"
NPT **61-3955** 6"

FLEXZILLA® PRO CUSTOM LENGTH WHIP HOSE, 3/8 IN. X 6 FT., W/ HIGH FLOW BALL SWIVEL, 1/4 IN. MNPT

- Ball swivel rotates 360° at a 30° angle
- 3/8" I.D. hose with 1/4" NPT fittings
- Extreme all-weather flexibility (-40° to 140° F) (-40° to 60° C)
- Reduces user fatigue by eliminating weight of coupler and plug
- Excellent abrasion-resistant outer cover
- Increases mobility in tight spaces
- Excellent bend radius
- Increased longevity of the main hose
- Twice the flow of a standard whip hose - no bottleneck at the ball swivel
- 300 PSI working pressure
- When used with high flow couplers and plugs, the Flexzilla Pro custom length whip hose provides maximum torque, RPM and the best performance for your air tools. Flexzilla Pro High Flow couplers and plugs provides twice the flow when compared to standard interchanges.
- Material: Flexible hybrid polymer
- Contents: (1) 6' Whip Hose w/high flow ball swivel plug, (1) Flexzilla Pro reusable anodized aircraft aluminum fitting

NPT **61-3956**

⚠ **WARNING: Cancer - www.P64Warnings.ca.gov**

RUBBER TIPPED BLOW GUN

Provides leak-proof seal between gun and fluid line. Excellent for cleaning delicate surfaces that a metal tip might scratch.

NTH **90-494**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TAMPER-PROOF SAFETY BLOW GUN

General-purpose safety blow gun features a special safety tip that swivels freely and discourages tampering. Tip pressure does not exceed 30 PSI when the inlet pressure is 150 PSI or less. Equipped with OSHA compliant safety tip.

NTH **90-489**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

STANDARD BLOW GUN

Simple, rugged construction.
The ergonomic design is comfortable and form-fitting.

NTH **90-488**

INDEX

Blow Guns

STRATA-FLO BLOW GUN

Strata-Flo nozzle concentrates air into a powerful stream at near sonic velocity, creating an air stream that is less turbulent. Quieter then ordinary blow guns and surpasses OSHA regulations.

NTH **90-495**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

ANGLED RUBBER TIP BLOW GUN

Features heavy-duty valve body and bent nozzle extension for hard-to-reach areas. The heavy rubber tip is great for blowing out automatic transmissions and oil passages.

NTH **90-490**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

HI-FLOW BLOW GUN

Booster ports allow for more airflow than conventional blow guns. One of the highest CFM ratings of any blow gun.

NTH **90-586**

ADJUSTABLE-FLOW POCKET BLOW GUNS

Each features a built-in quick coupler adapter, safety bypass and safety tip to prevent pressure build-up. Choose the gun that fits your air line system. Easily twists on and off.

Item No.	Fits Coupler Type
NTH **90-483**	Lincoln™ ¼" (NAPA Type A)
NTH **90-484**	Aro™ ¼" (NAPA Type B)
NTH **90-485**	Automotive ¼" (NAPA Type C)
NTH **90-486**	Industrial ¼" (NAPA Type D)

BLOW GUNS WITHOUT SAFETY BYPASS WARNING: Do not use blow guns without safety bypass on compressed air lines when pressure exceeds 30 PSI.

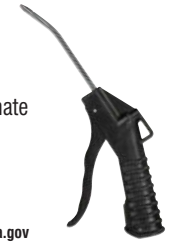
IN-LINE BLOW GUN

Compact gun can be added to hose end to blow away debris after using primary tool, eliminating the need to disconnect and connect a standard blow gun. Rubber tip is excellent for body shops, as it will not mar painted surfaces.

NTH **90-472**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

LEVER BLOW GUN WITH STAR TIP



Safety blow gun with star-shaped nozzle tip to eliminate blocking. Produces a powerful and concentrated air stream in small openings.
Nozzle length is 4".

NTH **90-117**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

NTH **90-110** *NTH* **90-111** *NTH* **90-112**

LEVER BLOW GUNS

Adjustable full-flow blow guns are suitable for a number of applications.

Features

- Hang up using built-in hook
- Control flow simply by squeezing or releasing pressure
- Durable construction and ergonomic fit
- Narrow diameter of nozzles is perfect for hard-to-reach areas

Specifications

Max pressure: .....Full flow – 230 PSI
Temperature range: ..... -40° to 175° F (-40° to 79° C)
Air flow capacity: .....8 CFM at 87 PSI
Air inlet opening: .....¼" FNPT

Item No.	Description
NTH **90-110**	4" Nozzle Blow Gun
NTH **90-111**	13" Nozzle Blow Gun
NTH **90-112**	20" Nozzle Blow Gun

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TELESCOPIC BLOW GUN

Lever type blow gun with adjustable telescopic nozzle. Nozzle telescopes 12-24" to reach into tight or hard to reach places. Maximum pressure: 160 PSI.
Thread size: ¼" female NPT

NTH **90-118**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

AIR LINE ACCESSORY KIT

Standard blow gun kit with safety tip and assorted Type D ¼" NPT couplers and plugs.

NTH **90-401**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

AIR LINE ACCESSORY KIT

Standard blow gun kit with additional safety tip, rubber tip and Type D ¼" NPT couplers and plugs. Also includes ¼" ball foot chuck, ¼" pipe coupler and tire gauge.

NTH **90-402**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BLOW GUN KIT

Lever blow gun with four interchangeable tips. Standard tip, safety tip, rubber tip, and needle tip.

NTH **90-481**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

RUBBER BLOW GUN TIP

Rubber tip will fit any blow gun with ⅛" NPT female nozzle port. Flexible tip allows for positive seal.

NTH **90-583**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BLOW GUN NOZZLES

The following nozzles have ⅛" NPT male thread and will fit any blow gun having ⅛" NPT female port.

BLOW GUN TIP

Rubber nozzle tip snaps on and clicks into place. For use with *NTH* **90-110**, *NTH* **90-111**, and *NTH* **90-112**. Forms positive seal between blow gun and line openings. For use only on air lines regulated at 30 PSI or less.

NTH **90-114**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BLOW GUN TIP ASSORTMENT

Tips made of hardened stainless steel tubing with ⅛" NPT male thread for use in otherwise inaccessible areas. Plastic case and five nozzles .134", .095", .065", .050", and .042" in diameter.

NTH **90-569**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

SELF-RELIEVING STANDARD SAFETY BLOW GUN TIP

Tip has an air pressure bypass to prevent tip pressure build-up, even if nozzle is blocked. Adapts to any blow gun with a ⅛" NPT.

NTH **90-585**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

SIPHON SPRAY GUN

Metal siphon spray gun combines compressed air and water pressure to blast away dirt and grime. Uses siphon to spray solvents and solutions and can be used with garden hose and compressed air. Valve body stays cool even with hot water. Includes 8' plastic tubing.

NTH **90-493**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

SIPHON SPRAY GUN

Die cast zinc 10" siphon spray gun with suction tube features ability to siphon liquid and spray air-liquid mixtures. Thread Size: ¼" NPT.

NTH **90-487**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

CLEANING TOOL & SIPHON

Blasts away dirt and grime with air and water pressure while using siphon to spray solvents and solutions. Valve body stays cool even with hot water. Includes 2 extensions, adapter for garden hose and siphon tubing. Maximum Pressure: 30 PSI.

NTH **90-595**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

RADIATOR WATER FAUCET

Bent angle ¼" FNPT with shock proof and oil resistant molded hard rubber nozzle.

NTH **90-590**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Air Hose Reels

CARLYLE TOOLS by NAPA

HYBRID AIR HOSE REEL

Carlyle hybrid air hose reel provides durability and flexibility featuring 8-position ratchet gearing locks that will reel to desired hose length.

- Automatic spring-powered recoil
- Heavy gauge all steel reel assembly
- Mount on ceiling, wall, floor or anywhere it's most convenient
- Bolt-on mounting
- 300 PSI maximum pressure rating
- 50-ft. hose length
- Blue hose color and black housing color

NPT **61-1671**

Item No.	Size
NPT **61-1670**	3/8" x 50'
NPT **61-1671**	1/2" x 50'

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STEEL AIR HOSE REEL

Professional-grade Goodyear rubber air hose (250 PSI) stays flexible in cold weather. The heavy gauge, all-steel reel, driven by an internal spring-powered motor, neatly automatic rewinds and coils hose. Guided smoothly on and off the reel by an enclosed four-roller guide collar, air hose is locked at the desired length by a continuous, 8-position ratchet gear. This versatile reel can be mounted to ceiling, wall or floor - wherever it's convenient.

BK **821-1359** 3/8" x 50'
BK **821-1360** 1/2" x 50'

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

HOSE REEL

- 30' x 3/8" PVC Blue Hose
- Evercraft auto-rewind retractable hose reel features a plastic housing and PVC hose
- Bracket mounts to wall or ceiling
- Tough and durable housing
- Hose stopper
- Great for any task requiring compressed air

BK **825-5296**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA

FLEXZILLA® RETRACTABLE AIR HOSE REEL, 3/8 IN.

Economical reel is perfect for indoor shop and industrial applications. Reel can be mounted on wall, bench or overhead. Heavy-duty steel with corrosion-resistant powder coating and four-way directional rollers add convenience. Fasteners stay tight even in mobile installations, and narrow size is ideal for easy placement and storage. Spring motor is fully enclosed and packed with grease. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT. Lead-in Hose Included - 5 ft. x 3/8 in. MNPT swivel x 1/4 in. MNPT

BK **821-1466** 3/8" x 50'

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA

FLEXZILLA® RETRACTABLE AIR HOSE REEL

This retractable air hose reel with Flexzilla® premium air hose and bend restrictors is ideal for the home shop and features an auto-retract/auto- latch hose mechanism. Hose latches in 18" intervals. Made of durable polypropylene. Additional features include adjustable hose topper, 3' lead-in hose, and swivel mounting bracket for wall or ceiling. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1465** 3/8" x 50'

FLEXZILLA PRO

FLEXZILLA® PRO RETRACTABLE AIR HOSE REELS, 3/8 IN.

- Adjustable hose stopper
- Built-in handle
- Flexzilla air hose reel with Levelwind technology offers a unique winding system that automatically layers hose back and forth across the reel so the hose coils smoothly and easily every time
- UV Stabilized Polypropylene Housing
- Durable construction
- Hose ends allow the hose to be repaired in the field in seconds. Enhances work efficiency and are heavy-duty to stand up to the frequent use
- Free standing base
- Latching mode or free run switch
- Seven position locking bracket
- Extra large swivel

Specifications

Inlet Size: ..... 3/4" - 11 1/2" MGHT
Maximum Working PSI: ..... 300 PSI (@70° F)
Type: ..... Automatic
Unit Specifications: ..... 3/8" Hose ID

NPT **61-3849** 50 ft.
NPT **61-3850** 75 ft.

FLEXZILLA® PRO RETRACTABLE AIR HOSE REEL, 1/2 IN.

- Adjustable hose stopper
- Built-in handle
- Flexzilla air hose reel with Levelwind technology offers a unique winding system that automatically layers hose back and forth across the reel so the hose coils smoothly and easily every time
- UV Stabilized Polypropylene Housing
- Durable construction
- Hose ends allow the hose to be repaired in the field in seconds. Enhances work efficiency and are heavy-duty to stand up to the frequent use
- Free standing base
- Latching mode or free run switch
- Seven position locking bracket
- Extra large swivel

Specifications

Inlet Size: ..... 3/4" - 11 1/2" MGHT
Maximum Working PSI: ..... 300 PSI (@70° F)
Type: ..... Automatic
Unit Specifications: ..... 1/2" Hose ID
Length: ..... 50'

NPT **61-3851**

FLEXZILLA® MANUAL AIR HOSE REEL

- Flexzilla air hose reel offers an open faced reel with a fixed mounted base. Hose ends allow the hose to be repaired in the field in seconds, improving your work efficiency and heavy duty construction stands up to frequent use
- ZillaGreen™ hose

Specifications

Inlet Size ..... 1/4" MNPT
Length: ..... 50' L
Maximum Working PSI: ..... 300 PSI (@70° F)
Type: ..... Fixed Open Faced
Unit Specifications: ..... 3/8" Hose ID

NPT **61-3853**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA® PORTABLE AIR HOSE REEL

- Flexzilla air hose reel offers an open faced reel with a fixed mounted base. Hose ends allow the hose to be repaired in the field in seconds, improving your work efficiency and heavy duty construction stands up to frequent use
- ZillaGreen™ hose

Specifications

Inlet Size: ..... 1/4" MNPT
Length: ..... 50' L
Maximum Working PSI: ..... 300 PSI (@70° F)
Type: ..... Portable Open Faced
Unit Specifications: ..... 3/8" Hose ID

NPT **61-3854**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA® MANUAL AIR HOSE REEL

- Flexzilla air hose reel offers an open faced reel with a fixed mounted base. Hose ends allow the hose to be repaired in the field in seconds, improving your work efficiency and heavy duty construction stands up to frequent use
- ZillaGreen™ hose

Specifications

Inlet Size: ..... 1/4" MNPT
Length: ..... 50' L
Maximum Working PSI: ..... 300 PSI (@70° F)
Type: ..... Fixed Open Faced
Unit Specifications: ..... 3/8" Hose ID

NPT **61-3852**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEXZILLA® AIR HOSE

Made from an engineered hybrid polymer, Flexzilla® provides superior all-weather flexibility, even in freezing temperatures. ZillaGreen™ hose, with excellent abrasion-resistant outer cover. Lightweight and easy to handle with reinforced bend restrictor. Temperature Range: -40° to 140° F (-40° to 66° C). Working Pressure: 300 PSI.

Item No.	Description
NPT **61-3894**	3/8" I.D. x 25' L.; 1/4" MNPT
NPT **61-3895**	3/8" I.D. x 50' L.; 1/4" MNPT
NPT **61-3892**	1/2" I.D. x 25' L.; 3/8" MNPT
NPT **61-3893**	1/2" I.D. x 50' L.; 3/8" MNPT

CARLYLE HYBRID POLYMER WHIP HOSE & HIGH FLOW BALL SWIVEL, 3/8 IN. X 2 FT.

Premium hybrid polymer whip hose and high-flow ball swivel is light weight and easy to handle.

- Hose 3/8" x 1/4" NPT
- Increased flexibility in cold weather
- Swivel coupler improves longevity and reduces user fatigue
- 300 psi maximum working pressure
- Mounting hardware included

NPT **61-1774**

Item No.	Size
NPT **61-1773**	3/8" x 2'
NPT **61-1774**	3/8" x 4'

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Air Hose Reels & Hoses

FLEXZILLA® WHIP HOSE WITH BALL SWIVEL

Flexzilla® is a revolutionary hose featuring a Flexible Hybrid Polymer material that redefines flexibility. Flexzilla® hose characteristics offer zero memory allowing it to lay-flat exactly where you drop it. Won't work against you and coil during operation or after use. Flexzilla® offers extreme all-weather flexibility, even in sub-zero conditions. Offers superior flexibility for tight radius bends in both cold and warm environments. Engineered polymer-blend material permits use in environments where general-purpose PVC and runner hoses may become too stiff.

Item No.	Hose Length	Fitting Size	Working PSI
NPT **61-3843**	2'	1/4" MNPT	300
NPT **61-3844**	4'	1/4" MNPT	300

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Levelwind™ Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368**, and *BK* **821-1369**). For bench, floor, or high-wall mounting.

BK **821-1370**

WORKFORCE® RUBBER AIR HOSE ASSEMBLIES

Workforce® economical rubber air and water hoses are ideal for a wide range of industrial, construction and agricultural applications. Feature reinforced, synthetic rubber tubes and covers. Synthetic yarn weave provides extra strength and flexibility.

Specifications

Tube: .....VRMA Class C (Med. Oil Resistance)
Working Pressure:.....300 PSI (20.68 Bar)

Item No.	Description
NPT **61-3837**	1/4" I.D. x 25'; 1/4" MNPT
NPT **61-3838**	1/4" I.D. x 50'; 1/4" MNPT
NPT **61-3839**	3/8" I.D. x 25'; 1/4" MNPT
NPT **61-3840**	3/8" I.D. x 50'; 1/4" MNPT
NPT **61-3841**	1/2" I.D. x 25'; 3/8" MNPT
NPT **61-3842**	1/2" I.D. x 50'; 3/8" MNPT

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Levelwind™ Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368** and *BK* **821-1369**). For wall or overhead mounting (supplied as standard).

BK **821-1371**

WORKFORCE® MANUAL AIR HOSE REEL, OPEN FACE, FIXED, HEAVY-DUTY

Designed for rugged job site conditions, this reel is loaded with features, such as tapered-spool sidewalls and easy-access inlet connections. Reinforced-steel construction, baked-enamel powder-coat finish, and increased hose capacity meet the needs of today's contractor. Included 50' Workforce air hose features reinforced PVC construction and solid brass fittings. Provided bend restrictor prolongs life of air hose. Brake prevents hose from unwinding. Included mounting bracket allows reel to be mounted to a wall, workbench or vehicle. Also features heavy-duty, 1/4" brass inlet swivel and swivel handle. Heavy-duty, reinforced-steel drum for durability and long life. Lead-in hose (3/8" I.D. x 3') included.

Specifications

Air Hose:.....3/8" I.D. x 50'
Hose Capacity:..... 100' of 3/8" I.D.
Max. Operating Pressure: ..... 350 PSI
Reel Air Inlet:.....1/4" MNPT
Working Pressure:..... .350 PSI

BK **821-1373**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LEVELWIND™ REEL REPLACEMENT AIR HOSE

For Air Hose Reel (*BK* **821-1366**) and Air/Water Hose Reel (*BK* **821-1367**). 3/8" I.D. x 50' L.

BK **715-9003**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WORKFORCE® PVC AIR HOSE ASSEMBLIES

Workforce® Series PVC air hose is made from virgin resin PVC giving it excellent flexibility and low temperature resistance. The outer cover also uses virgin resin PVC that is UV, oil and abrasion resistant. The inner tube is reinforced with extra strong polyester braiding which is 20% less weight per foot than comparable rubber hoses. This air hose resists cracking and fading. If coupling, use crimped-on fittings only.

Specifications

Item No.	I.D.	O.D.	Length	Color
BK **715-1513**	1/4"	1/2"	25'	Blue
BK **715-1515**	3/8"	5/8"	25'	Blue
BK **715-1516**	3/8"	5/8"	50'	Blue
BK **715-1522**	3/8"	1/4"	50'	Orange

⚠ **WARNING: (*BK* 715-1513, *BK* 715-1515 & *BK* 715-1516) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LEVELWIND™ AIR/WATER HOSE REELS

Medium-duty, easy-to-use, auto-rewind hose reels are manufactured from durable, high-quality UV-stabilized polypropylene. Clock-type spring mechanism is factory preset for easy pulling and controlled rewind. Two-position switch enables user to choose between latching or free-run modes. Easy-to-install Mounting Bracket (*BK* **821-1371**) for wall or overhead installation included. Length: 50'

⚠ **WARNING: (*BK* 821-1369) Cancer - www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 821-1367) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BK **821-1366**

Item No.	Description
BK **821-1366**	3/8" I.D.
BK **821-1367**	1/2" I.D.

Auto-Rewind Hose Reel Specifications

Transfers	I.D.	Type	Working Pressure (PSI)	Inlet	Outlet	10 Ft. Lead-in Hose Item No.	Hose Reel Item No.
Air	3/8"	PVC	350	3/4"-11 M.	1/4" NPTM.	*BK* **827-2550**	*BK* **821-1366**
Air/Water	1/2"	PVC	350	3/4"-11 M.	1/2" NPTM.	*BK* **827-2551**	*BK* **821-1367**
Hot Water	5/8"	PVC	130	3/4"-11 M.	3/4"-11 M.	—	*BK* **821-1368**
Oxy-Acetylene	1/4"	Twin/Rubber	200	9/16" UNF	9/16" UNF F.	*BK* **827-2555**	*BK* **821-1369**

SELF-STORING AIR HOSES

Stretch and recoil like a telephone cord. Equipped with spring guards, tube inserts and standard compression fittings. Tough, abrasion-resistant nylon construction. Maximum working pressure: 200 PSI.

Item No.	Description
BK **715-1510**	1/4" I.D. x 12' L.
BK **715-1500**	1/4" I.D. x 25' L.
BK **715-1511**	1/4" I.D. x 50' L.
BK **715-1503**	1/4" Straight Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1504**	1/4" Swivel Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1501**	3/8" I.D. x 25' L.
BK **715-1512**	3/8" I.D. x 50' L.
BK **715-1505**	3/8" Swivel Fitting (For *BK* **715-1501**, *BK* **715-1512**)
BK **715-1502**	1/2" I.D. x 25' L.

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or reproductive harm. For more information got to www.P65Warnings.ca.gov. Wash hands after handling.**

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Red
Lead in Hose I.D.: ..... 1/4"
Lead in Hose Length: ..... 24"
Lead in Hose Thread Size:.....1/4" NPT
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-450**

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Yellow
Lead in Hose I.D.: ..... 3/8"
Lead in Hose Length: ..... 36"
Lead in Hose Thread Size: ..... 1/4"
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-4501**

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Red
Lead in Hose I.D.: ..... 1/4"
Lead in Hose Length: ..... 60"
Lead in Hose Thread Size:..... 1/4" NPT
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-452**

SAMSON UNIVERSAL HOSE STOPS

Item No.	Description
BK **715-1556**	1/4" Hose
BK **715-1557**	3/8" Hose
BK **715-1558**	1/2" Hose

⚠ **WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Tire Buffers & Air Hose Crimper

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Red
Lead in Hose I.D.: ..... 3/8"
Lead in Hose Length: ..... 30"
Lead in Hose Thread Size:.....1/4" NPT
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-454**

TIRE BUFFER

- W/ A free speed of up to 22,000 rpm and powerful .50 Hp motor, the *IR* **327** will make quick work of patchwork and roughing up low areas for recapping, tire scuffing and cleaning tire moldings
- Lever throttle for easy operation
- Rear exhaust keeps air away from you and your work

IR **327**

TIRE REPAIR BUFFER

- Piped-away exhaust (included) directs air away from work area and operator
- Designed for convenience, the many features of the *IR* **327LS** make it an ideal tool for every tire shop. The quick-change chuck, built-in regulator, and lever-style throttle make patchwork, roughing areas for recapping, and cleaning tire moldings a breeze
- Trigger design with lock-off feature allows for easy operation and protection from accidental start-up
- Convenient hanger keeps tool within easy reach

IR **327LS**

BK **710-1212**

BK **710-1209**

AIR-OPERATED BUFFER

Compact, precision-engineered buffer operates entirely on standard air pressure (best in the 90-150 lb. range), which means there are no electrical parts to wear out. Rear exhaust. Comes with buffing cone, air regulator and 1/4" adapter.

Item No.	Description
BK **710-1209**	Buffer
BK **710-1212**	2" Buffing Cone with 3/8" Arbor Hole

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY HIGH-SPEED AIR BUFFER

For truck and tractor tire repairs. RPM: 20,000. Buffing cone sold separately.

Item No.	Description
BK **710-1037**	Buffer
BK **710-1212**	2" Buffing Cone with 3/8" Arbor Hole

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LOW-SPEED TIRE BUFFER

Quick-change slip chuck for fast and easy buffing wheel changes. Built-in regulator and lock-off throttle to prevent accidental start-ups. Rear exhaust directs air away from work area.

NPT **6-1037**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

LOW-SPEED QUICK-CHANGE AIR BUFFER

For buffing tire inner liner repair area, without scorching rubber. Quick-change chuck included. Air inlet: 1/4" NPT. Air consumption: 4 CFM. Working pressure: 90 PSI. Free speed: 2,500 RPM.

BK **710-1678**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ON-SITE CRIMPER KIT

Tote with lid contains everything needed for on-site hose make-up and repair. Includes crimper, fittings, couplings, and ferrules.

NTH **90-925**

Contents

Qty.	Item No.	Description
1	*NTH* **90-910**	Hose Crimper
5	*NTH* **90-542**	1/4" Male NPT fitting for 3/8" ID hose
5	*NTH* **90-546**	1/4" Male NPT fitting for 1/4" ID hose
3	*NTH* **90-552**	Repair coupling for 3/8" ID hose
3	*NTH* **90-556**	Repair coupling for 1/4" ID hose
10	*NTH* **90-916**	Ferrules for 5/8" OD hose
10	*NTH* **90-919**	Ferrules for 3/4" OD hose

AIR HOSE CRIMPER

Provides production capability and big tool crimping advantages at a fraction of the cost of other tools offering comparable results. Constructed with high-strength ductile iron castings. Five hardened steel ribbed die sets are included for crimping 1/4" 1-braid through 3/8" 2-braid compressed air line hose. All of the dies are in place for instant use. Unit is completely portable. Use with the brass ferrules listed below and standard hose barb fittings shown on the next page. Easy one-hand operation. Designed to make-up new air line hoses or repair cracked or broken air hoses. 1/pack.

NTH **90-910**

HOSE FERRULES

Pick ferrule that most closely matches outside diameter of hose. Sold in packs of 25.

Item No.	For Hose O.D.
NTH **90-913**	1/2"
NTH **90-914**	9/16"
NTH **90-915**	19/32"
NTH **90-916**	5/8"
NTH **90-917**	21/32"
NTH **90-918**	11/16"
NTH **90-919**	3/4"
NTH **90-920**	25/32"
NTH **90-921**	13/16"
NTH **90-922**	7/8"

⚠ **WARNING: (*NTH* 90-913, *NTH* 90-914, *NTH* 90-915, *NTH* 90-916, *NTH* 90-917, *NTH* 90-918, *NTH* 90-919, *NTH* 90-920, *NTH* 90-921) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HOSE CRIMPER REPLACEMENT DIE

Each contains a replacement crimping die set for larger size hose. Simply remove a die set from the *NTH* **90-910** and replace with the die set needed.

NTH **90-910A** For Crimping Hose with this O.D. 3/4"
NTH **90-910B** For Crimping Hose with this O.D. 13/16"

3-IN-1 ALUMINUM MANIFOLD ADADPTER

Allows for operation of three different tools from one supply hose. Mounts overhead or to pipe at workbench and permits multiple workers to access air supply.

Item No.	Description
NTH **90-459**	1/4" NPT Female inlet port and 3 NPT 1/4" female outlet ports
NTH **90-4591**	1/2" NPT Female inlet port and 3 NPT 1/4" female outlet ports

PIPE COUPLING

Threaded on both ends with 1/4" male NPT.

NTH **90-678**

HOSE REPAIR SPLICERS

Item No.	Hose I.D.
NTH **90-556**	1/4"
NTH **90-554**	5/16"
NTH **90-552**	3/8"
NTH **90-558**	1/2"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-571** *NTH* **90-560** *NTH* **90-562**

REUSABLE HOSE FITTINGS

Make airtight connections without hose clamps. Must closely match hose O.D and I.D with dimensions in table below.

Item No.	Hose I.D.	Hose O.D.
1/4" NPT Hose End Fittings		
NTH **90-571**	1/4"	1/2"
NTH **90-572**	1/4"	9/16"
NTH **90-570**	1/4"	5/8"
NTH **90-562**	3/8"	3/4"
Repair Couplings		
NTH **90-564**	1/4"	5/8"
NTH **90-560**	3/8"	3/4"

⚠ **WARNING: (*NTH* 90-571, NTH 90-572 & NTH 90-570) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NTH **90-541** *NTH* **90-458** *NTH* **90-457**

STANDARD HOSE BARB FITTINGS

Select fitting that matches correct hose I.D. Fittings must be secured with hose clamp or crimped-on ferrule (see *NTH* **90-910** hose crimper).

Item No.	Hose I.D.	Thread Size
Male Thread Fittings		
NTH **90-547**	1/4"	1/8" NPT
NTH **90-546**	1/4"	1/4" NPT
NTH **90-546SS**	1/4"	1/4" NPT
NTH **90-544**	5/16"	1/4" NPT
NTH **90-542**	3/8"	1/4" NPT
NTH **90-542SS**	3/8"	1/4" NPT
NTH **90-540**	1/2"	1/4" NPT
NTH **90-543**	3/8"	3/8" NPT
NTH **90-541**	1/2"	1/2" NPT
Male Thread Fittings with 360° Ball Swivel		
NTH **90-456**	1/4"	1/4" NPT
NTH **90-458**	3/8"	1/4" NPT
Female Thread Fittings		
NTH **90-550**	1/4"	1/4" NPT
NTH **90-548**	3/8"	1/4" NPT

⚠ **WARNING: (*NTH* 90-544, *NTH* 90-542, *NTH* 90-540, *NTH* 90-543, *NTH* 90-541, *NTH* 90-456, *NTH* 90-458, *NTH* 90-550 & *NTH* 90-548) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Hose fittings featuring conventional hose barbs must be fastened with either a hose clamp or crimped on ferrule. Be sure to select a fitting that matches the inside diameter of the hose.

WARNING: With re-usable hose fittings, you can make an airtight connection without ferrules or hose clamps. A connection will be stronger than the hose itself if the hose measurements match the outside and inside diameters listed on the above charts.

Disregarding these instructions and recommendations could cause the fitting to separate from the hose resulting in injury or property damage.

Air Tanks, Hose Couplers & Plugs

PORTABLE 5-GALLON AIR TANK

Heavy-duty, five-gallon portable air tank features with solid brass manifold and on/off switch, as well as all brass fittings and chuck. High-grade, 4' industrial hose and gauge.
Dimensions: 10½" dia. x 20" long. Working pressure: 125 PSI.
NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-1350**	Portable 5-Gallon Air Tank
BK **770-6996**	Replacement Gauge, ¼" NPT
BK **770-6997**	Replacement Manifold

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 770-6996 & *BK* 770-6997) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PORTABLE 10 GAL. AIR TANK

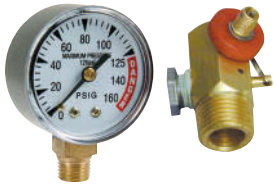
Heavy-duty tank features welded-steel construction and includes pressure gauge, filler valve, and 4' heavy-duty hose with tire chuck. Working pressure: 125 PSI.
Dimensions: 12½" Dia. x 20½" L.
NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-7016**	Air Tank
BK **770-6996**	Gauge, ¼" NPT Replacement
BK **770-6997**	Manifold, Replacement

⚠ **WARNING: (*BK* 821-7016) This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: (*BK* 770-6996 & *BK* 770-6997) This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

REPLACEMENT GAUGE & MANIFOLD



Replacement parts for portable 5 and 8 gallon air tanks (*BK* **821-1350** and *BK* **821-7016**).

Item No.	Description
BK **770-6996**	Gauge, ¼" NPT
BK **770-6997**	Manifold

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

LARGE TANK AIR HOSE

Replacement hose for large air tanks. Coupler includes tire chuck. Coupler size: ¼" x ¼". Working pressure: 200 PSI. Inner diameter: ¼".

BK **770-6995**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

NTH **90-674SS**

NTH **90-670SS**

COUPLERS & PLUGS

NAPA® couplers and adapter plugs provide a fast, easy and reliable means of joining pneumatic and fluid transfer lines. For ease of identification, NAPA® couplers and adapter plugs have been grouped by type. This letter designation appears on the following pages. Rated for air use only. **Not for gaseous use.**

Qty.	Item No.	Type	Description
50	*NTH* **90-644SS**	A	Lincoln™ Style ¼" Female Coupler
50	*NTH* **90-648SS**	A	Lincoln™ Style ¼" Male Plug
50	*NTH* **90-612BRSS**	B	Aro™ Interchange ¼" Female Coupler (Brass)
50	*NTH* **90-612SS**	B	Aro™ Interchange ¼" Female Coupler
50	*NTH* **90-613SS**	B	Aro™ Interchange ¼" Female Coupler
50	*NTH* **90-618SS**	B	Aro™ Interchange ¼" Male Plug
50	*NTH* **90-620SS**	B	Aro™ Interchange ¼" Female Plug
50	*NTH* **90-600SS**	C	Automotive Interchange ¼" Female Coupler
50	*NTH* **90-624SS**	C	Automotive Interchange ¼" Male Plug
50	*NTH* **90-670SS**	D	Industrial Interchange ¼" Female Coupler
50	*NTH* **90-672SS**	D	Industrial Interchange ¼" Male Coupler
50	*NTH* **90-674SS**	D	Industrial Interchange ¼" Male Plug
50	*NTH* **90-676SS**	D	Industrial Interchange ¼" Female Plug
25	*NTH* **90-654SS**	G	Automotive ⅜" Body ⅜" Female Coupler
25	*NTH* **90-686SS**	G	Automotive ⅜" Body ¼" Female Coupler
25	*NTH* **90-685SS**	G	Automotive ⅜" Body ¼" Male Plug
25	*NTH* **90-605SS**	E	Industrial ⅜" Body ¼" Male Plug

*** For use only with *NTH* 90-6002 only.**

⚠ **WARNING: (*NTH* 90-644SS, *NTH* 90-648SS, *NTH* 90-612BRSS, *NTH* 90-612SS, *NTH* 90-613SS, *NTH* 90-618SS, *NTH* 90-620SS, *NTH* 90-600SS, *NTH* 90-624SS, *NTH* 90-670SS, *NTH* 90-672SS, *NTH* 90-674SS, *NTH* 90-676SS, *NTH* 90-654SS, *NTH* 90-686SS, *NTH* 90-685SS & *NTH* 90-605SS Cancer and Reproductive Harm -www.P65Warnings.ca.gov.**

TYPE A

NTH **90-645**

NTH **90-644**

NTH **90-648**

NTH **90-650**

LINCOLN™ STYLE COUPLERS & PLUGS

Type A. These interchange with Lincoln™ Long Nose Series as well as units produced by other manufacturers.

Male Thread	Female Thread	NPT Size
Couplers		
NTH **90-645**	*NTH* **90-644**	¼"
Adapter Plugs		
NTH **90-648**	*NTH* **90-650**	¼"

⚠ **WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.**

ARO™ STYLE COUPLERS & PLUGS

Type B. These interchange with Aro™ 210 as well as units produced by many other manufacturers.

PUSH-TO-CONNECT COUPLERS

These couplers automatically connect by pushing the plug into the coupler and disconnect when sleeve is pulled back. Use standard Type B adapter plugs. Have maximum working pressure of 250 PSI.

Male Thread	Female Thread	NPT Size
Couplers		
NTH **90-614**	*NTH* **90-612**	1/4"
NTH **90-614BR***	*NTH* **90-612BR***	1/4"
NTH **90-601**	*NTH* **90-603**	3/8"
Push-to-Connect Couplers		
NTH **90-679**	*NTH* **90-613**	1/4"
Adapter Plugs		
NTH **90-618**	*NTH* **90-620**	1/4"
NTH **90-618BR***	*NTH* **90-620BR**	1/4"
NTH **90-619**	*NTH* **90-621**	3/8"
Combo Pack (1 Ea. *NTH* 90-612/*NTH* 90-618)		
—	*NTH* **90-622**	1/4"

* = Brass

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE B

NTH **90-614**

NTH **90-612**

NTH **90-614BR***

NTH **90-601**

NTH **90-603**

NTH **90-679**

NTH **90-613**

NTH **90-618**

NTH **90-620BR***

NTH **90-619**

NTH **90-621**

NTH **90-620**

Combo Pack
NTH **90-622**

AUTOMOTIVE STYLE COUPLERS

Type C. These couplers interchange with TruFlate™ as well as units produced by many other manufacturers.

Male Thread	Female Thread	Hose Barb Units	NPT Size
Couplers			
NTH **90-610**	*NTH* **90-600**	—	1/4"
NTH **90-610BR***	*NTH* **90-600BR***	—	1/4"
—	—	*NTH* **90-611**	3/8"
Couplers for Recappers			
—	*NTH* **90-609**	—	1/4"
Adapter Plugs			
NTH **90-624**	*NTH* **90-626**	—	1/4"
NTH **90-602***	*NTH* **90-604***	—	1/4"
—	—	*NTH* **90-630**	3/8"
Adapter Plugs for Recappers			
NTH **90-636****	—	—	1/4"**

* = Brass. ** Also has inside cap thread.

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE C

NTH **90-610**

NTH **90-600**

NTH **90-610BR***

NTH **90-600BR***

NTH **90-611**

NTH **90-604**

NTH **90-630**

NTH **90-609**

NTH **90-624***

NTH **90-626**

NTH **90-636**

NTH **90-602***

INDUSTRIAL INTERCHANGE COUPLERS & PLUGS

Type D. These interchange with Hansen™, Milton™, Foster™, Aro™, Parker™ and others.

PUSH-TO-CONNECT COUPLERS

These couplers automatically connect by pushing the plug into the coupler and disconnect when sleeve is pulled back. Use standard Type D adapter plugs. Have maximum working pressure of 250 PSI.

Male Thread	Female Thread	Hose Barb Units	NPT or Barb Size
Couplers			
NTH **90-672**	*NTH* **90-670**	*NTH* **90-671**	1/4"
NTH **90-672BR***	*NTH* **90-670BR***	—	1/4"
NTH **90-657**	*NTH* **90-667**	—	3/8"
Push-to-Connect Couplers			
NTH **90-617**	*NTH* **90-615**	—	1/4"
Adapter Plugs			
NTH **90-674**	*NTH* **90-676**	*NTH* **90-673**	1/4"
NTH **90-674BR***	*NTH* **90-676BR***	—	1/4"
NTH **90-677**	*NTH* **90-659**	—	3/8"
Combo Pack (1 Ea. *NTH* 90-670/*NTH* 90-674)			
—	*NTH* **90-669**	—	1/4"

* = Brass

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE D

NTH **90-672**

NTH **90-670**

NTH **90-671**

NTH **90-672BR**

NTH **90-670BR**

NTH **90-657**

NTH **90-667**

NTH **90-617**

NTH **90-615**

NTH **90-674**

NTH **90-676**

NTH **90-673**

NTH **90-674BR***

NTH **90-676BR**

NTH **90-659**

NTH **90-677**

NTH **90-669**

Air Hose Couplers & Plugs

3/8 IN. INDUSTRIAL INTERCHANGE COUPLERS & PLUGS

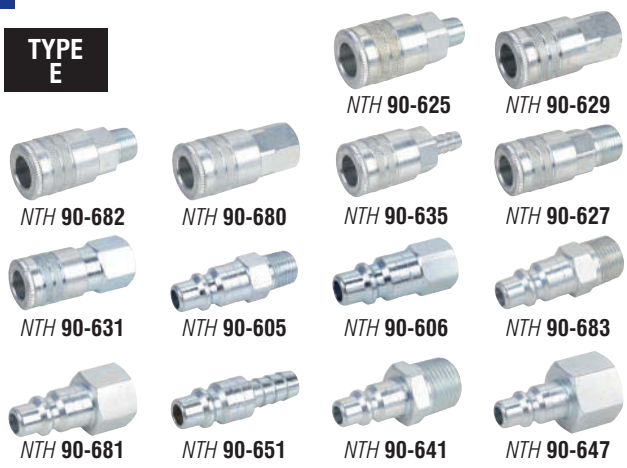
Type E. This group of medium-sized couplers and plugs provide greater air flow than ¼" units.

This group of medium-sized couplers and plugs provide greater air flow than ¼" inch units

Male Thread	Female Thread	Hose Barb Units	NPT or Barb Size
Couplers			
NTH **90-625**	NTH **90-629**	NTH **90-632**	¼"
NTH **90-682**	NTH **90-680**	NTH **90-635**	⅜"
NTH **90-627**	NTH **90-631**	—	½"
Adapter Plugs			
NTH **90-605**	NTH **90-606**	—	¼"
NTH **90-683**	NTH **90-681**	NTH **90-651**	⅜"
NTH **90-641**	NTH **90-647**	—	½"

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE E



1/2 IN. AUTOMOTIVE STYLE COUPLERS & PLUGS

Type F. These can be used with either ½" automotive or ½" industrial interchange plugs.

Male Thread	Female Thread	NPT Size
Couplers		
—	NTH **90-690**	⅜"
NTH **90-664**	NTH **90-662**	½"
—	NTH **90-692** Raised Sleeve	½"
Adapter Plugs		
NTH **90-689**	NTH **90-691**	⅜"
NTH **90-666**	NTH **90-668**	½"

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE F

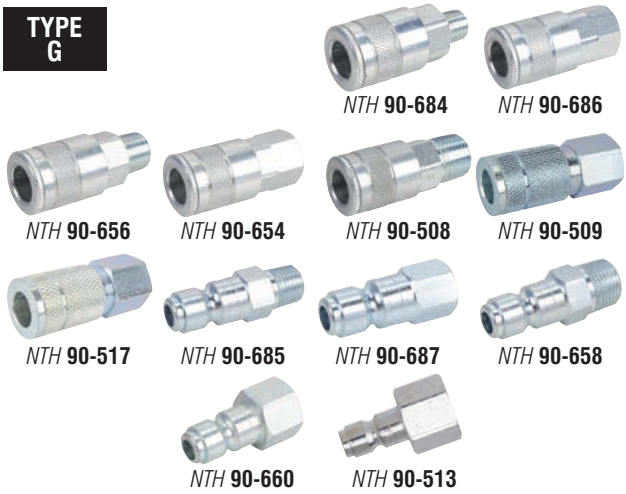
3/8 IN. AUTOMOTIVE STYLE COUPLERS & PLUGS

Type G.

Male Thread	Female Thread	NPT or Barb Size
Couplers		
NTH **90-684**	NTH **90-686**	¼"
NTH **90-656**	NTH **90-654**	⅜"
NTH **90-508**	NTH **90-509**	½"
—	NTH **90-517**	½"
Adapter Plugs		
NTH **90-685**	NTH **90-687**	¼"
NTH **90-658**	NTH **90-660**	⅜"
—	NTH **90-513**	½"

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE G



1/2 IN. INDUSTRIAL INTERCHANGE PLUGS

Type H. These ½" industrial interchange adapter plugs are completely interchangeable with the Type F automotive series shown above.

Male Thread	Female Thread	NPT Size
Adapter Plugs		
—	NTH **90-587**	⅜"
NTH **90-578**	NTH **90-588**	½"

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE H

STRAIGHT-THROUGH COUPLERS & ADAPTER PLUGS FOR LIQUIDS

Available in 1/4" and 3/8" body sizes. These units have no valves. Smooth, straight-through bore gives maximum flow with minimum pressure drop. Couplers are brass with stainless steel balls and springs. Plugs are brass. For use with pressure washers, carpet cleaners and car wash equipment.

1/4 IN. BODY COUPLERS & PLUGS

Type L.

Male Thread	Female Thread	NPT Thread
Couplers		
NTH **90-926**	*NTH* **90-929**	1/4"
Adapter Plugs		
NTH **90-931**	*NTH* **90-934**	1/4"

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE L

NTH **90-926** *NTH* **90-929** *NTH* **90-931** *NTH* **90-934**

3/8 IN. BODY COUPLERS & PLUGS

Type M. Brass.

Male Thread	Female Thread	NPT Thread
Couplers		
NTH **90-927**	*NTH* **90-930**	3/8"
Adapter Plugs		
NTH **90-932**	*NTH* **90-935**	3/8"

⚠ WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.

TYPE M

NTH **90-927** *NTH* **90-930** *NTH* **90-932** *NTH* **90-935**

NPT **61-1316** *NPT* **61-1317** *NPT* **61-1321** *NPT* **61-1322**

FLEXZILLA® PRO 1/4 IN. BODY HIGH FLOW AIR HOSE PLUGS

- Maximum RPM
- Flexzilla Pro high flow couplers and plugs allow twice the flow to your air tools. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide
- Best performance
- Maximum torque
- Increased efficiency
- Ideal for spray guns and impact tools
- Push to connect

Specifications

Material:.....Nickel Plated Steel w/Anodized Aluminum Sleeve
Maximum Pressure:.....300 PSI
Style:.....Flexzilla 1/4" Body High Flow
Type:.....Type Z

Item No.	Description
NPT **61-1316**	1/4" FNPT
NPT **61-1317**	1/4" MNPT
NPT **61-1321**	3/8" FNPT
NPT **61-1322**	3/8" MNPT

⚠ WARNING: Cancer - www.P65Warnings.ca.gov.

NPT **61-1318** *NPT* **61-1320** *NPT* **61-1323** *NPT* **61-1324**

FLEXZILLA® PRO 1/4 IN. BODY HIGH FLOW AIR HOSE PLUGS

- Maximum RPM
- Easy to connect
- Flexzilla Pro high flow couplers and plugs allow twice the flow to your air tools. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide
- Best performance
- Maximum torque
- Increased efficiency
- Ideal for spray guns and impact tools

Specifications

Material:.....Nickel Plated Steel
Maximum Pressure:.....300 PSI
Style:.....Flexzilla 1/4" Body High Flow
Type:.....Type Z

Item No.	Description
NPT **61-1318**	1/4" FNPT
NPT **61-1320**	1/4" MNPT
NPT **61-1323**	3/8" FNPT
NPT **61-1324**	3/8" MNPT

⚠ WARNING: Cancer - www.P65Warnings.ca.gov.

FLEXZILLA® PRO 1/4 IN. BODY HIGH FLOW BALL SWIVEL

- Maximum RPM
- Easy to connect
- Flexzilla Pro high flow couplers and plugs allow twice the flow to your air tools. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide
- Maximum torque
- Increased efficiency
- Ideal for spray guns and impact tools

Specifications

Inlet Size:.....¼" MNPT
Material:.....Nickel Plated Steel
Maximum Pressure:..... 300 PSI
Style:..... Flexzilla ¼" Body High Flow Ball Swivel
Type:.....Type Z
Male, Female, or Barb Inlet:.....Male Inlet

NPT **61-1319**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

NPT **61-1327**

FLEXZILLA® PRO 7-PC. HIGH FLOW COUPLER & PLUG KIT"

- Maximum RPM
- Flexzilla Pro high flow couplers and plugs allow twice the flow to your air tools. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide
- Maximum torque
- Increased efficiency
- Ideal for spray guns and impact tools
- Push to connect

Specifications

Material Type:.....Nickel Plated Steel w/Anodized Aluminum Sleeve
Maximum Pressure:..... 300 PSI
Style:.....Flexzilla ¼" Body High Flow
Type:.....Type Z

Item No.	Contents	Inlet Size
NPT **61-1325**	(1) FNPT Coupler, (1) MNPT Coupler, (2) FNPT Plug, (3) MNPT Plug	3/8" NPT
NPT **61-1327**	(1) FNPT Coupler, (1) MNPT Coupler, (2) FNPT Plug, (3) MNPT Plug	¼" NPT

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

FLEXZILLA® PRO 1/4 IN. 3-PC. HIGH FLOW COUPLER & PLU KIT

- Maximum RPM
- Flexzilla Pro high flow couplers and plugs allow twice the flow to your air tools. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide
- Maximum torque
- Increased efficiency
- Ideal for spray guns and impact tools
- Push to connect

Contents: (1) FNPT Coupler, (1) FNPT Plug, (1) MNPT Plug

Specifications

Inlet Size:.....¼" NPT
Material Type:.....Nickel Plated Steel
.....w/ Anodized Aluminum Sleeve
Maximum Pressure:..... 300 PSI
Style:.....Flexzilla ¼" Body High Flow
Type:.....Type Z

NPT **61-1326**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

FLEXZILLA® PRO 1/4 IN. 14-PC. HIGH FLOW COUPLER & PLUG KIT

- Flexzilla Pro high flow couplers and plugs allow twice the flow to your air tools. Connect Flexzilla high flow fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide
- Maximum torque
- Increased efficiency
- Ideal for spray guns and impact tools
- Push to connect

Specifications

Inlet Size:.....¼" NPT
Material Type:.....Nickel Plated Steel w/ Anodized Aluminum Sleeve
Maximum Pressure:..... 300 PSI
Style:.....Flexzilla ¼" Body High Flow
Type:.....Type Z

Contents: (2) FNPT Coupler, (2) MNPT Coupler, (4) FNPT Plug and (6) MNPT Plug

NPT **61-1328**

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

NPT **61-1760** *NPT* **61-1761**

NPT **61-1765** *NPT* **61-1766**

CARLYLE 1/4 IN. BODY AIR HOSE COUPLERS

- Run Carlyle couplers and plugs from your tool akk the way to the compressor to ensure maximum performance from your air system
- Ideal for spray guns and impact tools
- Push to connect

Specifications

Material:.....Nickel Plated Steel w/Anodized Aluminum Sleeve
Maximum Pressure: .....300 PSI
Style: .....¼" Body

Item No.	Description
NPT **61-1760**	¼" NPT
NPT **61-1761**	¼" NPT
NPT **61-1765**	⅜" NPT
NPT **61-1766**	⅜" NPT

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE 1/4 IN. BODY BALL SWIVEL

- Run Carlyle couplers and plugs from your tool akk the way to the compressor to ensure maximum performance from your air system
- Easy to connect
- 360° swivel
- Increased efficiency
- Ideal for spray guns and impact tools

Specifications

Inlet Size: .....¼" NPT
Material:.....Nickel Plated Steel
Maximum Pressure: ..... 300 PSI
Style: ..... ¼" Body Ball Swivel
Male, Female, or Barb Inlet: .....Male Inlet

NPT **61-1763**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE 1/4 IN. COUPLER & PLUG KIT

- Run Carlyle couplers and plugs from your tool akk the way to the compressor to ensure maximum performance from your air system
- Increased efficiency
- Ideal for spray guns and impact tools
- Push to connect

Contents: (1) Coupler, (2) Plug

Specifications

Inlet Size: .....¼" NPT
Material Type:.....Nickel Plated Steel
.....w/ Anodized Aluminum Sleeve
Maximum Pressure: ..... 300 PSI
Style: ..... ¼" Body

NPT **61-1768**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE 1/4 IN. COUPLER & PLUG KIT

- Run Carlyle couplers and plugs from your tool akk the way to the compressor to ensure maximum performance from your air system
- Increased efficiency
- Ideal for spray guns and impact tools
- Push to connect

Specifications

Inlet Size: .....¼" NPT
Material Type:.....Nickel Plated Steel w/ Anodized Aluminum Sleeve
Maximum Pressure: ..... 300 PSI
Style: ..... ¼" Body

Contents: (2) FNPT Coupler, (2) MNPT Coupler, (4) FNPT Plug and (6) MNPT Plug

NPT **61-1769**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Air Hose Couplers

prevost

REGULAR AIR HOSE COUPLERS

These lightweight and compact quick couplers attach at the pneumatic tool. Made of non-scratch acetal composite with exceptional hardness, the smooth body prevents snagging and accidental disconnection. The circuit cannot be opened without inserting the plug. These couplers utilize an O-ring design that is leak-tight when used with a Prevost plug (adapter). The internal spring is made of stainless steel

- Composite Body
- Temperature range: +5° to 158° F (-15° to 70° C)

NPT **61-1238** *NPT* **61-1240** *NPT* **61-1236** *NPT* **61-1234**

Item No.	Description	Color	Profile	Use	ID Passage	Pressure	Weight	Air Flow @ 100 PSI
NPT **61-1238**	Coupler 1/4" FNPT	Blue Body/Brush Silver Button	Type B	At pneumatic tool	1/4" Body Size	174 PSI	2.50 oz.	DP 10 PSI/ 25 SCFM
NPT **61-1240**	Coupler 1/4" FNPT	Blue Body/Green Button	Type V or HVLP	At pneumatic tool & spray painting	3/8" Body Size	174 PSI	2.8 oz.	DP 10 PSI/ 36 SCFM
NPT **61-1236**	Coupler 1/4" FNPT	Blue Body/Red Button	Type C	At pneumatic tool	1/4" Body Size	174 PSI	2.43 oz.	DP 10 PSI/ 34 SCFM
NPT **61-1234**	Coupler 1/4" FNPT	Blue Body/Silver Button	Type D, Industrial	At pneumatic tool	1/4" Body Size	174 PSI	2.50 oz.	DP 10 PSI/ 32 SCFM

SAFETY AIR HOSE COUPLERS

The easiest and quickest safety couplers on the global market. Used at the air source (wall) or at the pneumatic tool, the PS1 safety coupler uses the compressed air on the side of the coupling to sustain the first locking phase. Only when the downstream air is purged will it automatically click to the 2nd phase and release the plug (adapter). This ISO 4414 safety coupler avoids all risk of dangerous hose-whip or accidental disconnection. These couplers initiate a controlled, automatic venting and disconnection with a simple push of a button.

- Leak-free/energy-saving connections
- Resists scratching, impact, abrasion and corrosion
- Lightweight, rugged, anti-static composite
- Intuitive push-button design
- Ergonomic shape
- Color-coded
- Composite Body
- Temperature range: +5° to 158° F (-15° to 70° C)

NPT **61-1239** *NPT* **61-1241** *NPT* **61-1237** *NPT* **61-1235**

Item No.	Description	Color	Profile	Use	ID Passage	Pressure	Weight	Air Flow @ 100 PSI
NPT **61-1239**	1/4" FNPT	Black Body/Yellow Button	Type B, ARO 210	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.50 oz.	DP 10 PSI/ 32 SCFM
NPT **61-1241**	1/4" FNPT	Black Body/Green Button	Type V or HVLP High Flow	At air source or pneumatic tool & spray painting	3/8" Body Size	174 PSI	4.50 oz.	DP 10 PSI/ 73 SCFM
NPT **61-1237**	1/4" FNPT	Black Body/Red Button	Type ,C Automotive Truflate	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.75 oz.	DP 10 PSI/ 34 SCFM
NPT **61-1235**	1/4" FNPT	Black Body/Blue Button	Type D, Industrial	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.50 oz.	DP 10 PSI/ 34 SCFM

PUSH-TO-CONNECT PLUGS

- 3-Pack.
- Max. Pressure: 174 PSI

Item No.	Type	NPT Size	Hex Size	Overall Length	
Industrial Type D					
NPT **61-1243**	Male	1/4"	17mm	42mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Industrial profile
NPT **61-1244**	Female	1/4"	13mm	43mm	
ARO 210 or Type B Profile					
NPT **61-1261**	Female	1/4"	17mm	40mm	Quick coupler. Abrasion resistant treated steel construction. Made with close tolerances for leak-free connections. ARO 210 profile.
NPT **61-1263**	Male	1/4"	14mm	42mm	
Truflate Type C					
NPT **61-1249**	Male	1/4"	14mm	41mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Truflate profile.
NPT **61-1251**	Female	1/4"	17mm	40mm	
7.2 – 7.4 High Flow or HVLP Profile					
NPT **61-1254**	Female	1/4"	14.7mm	36mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. High Flow-HVLP profile.
NPT **61-1256**	Male	1/4"	13mm	39mm	

CENTER OF INJURY RADIAL TIRE REPAIR APPLICATIONS

Using This Chart

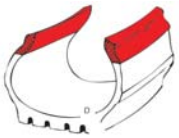
1. Measure the injury being repaired across the largest area of broken or removed cord. If injury is in sidewall measure width (across the cords) and length (along the cords). If injury is in the tread or shoulder area, measure the diameter of the injury
2. Locate these measurements under the appropriate injury column. If actual injury size is between measurements on the chart, go up the next largest measurement
3. When you locate the correct injury size on the chart, go to the appropriate tire size column. Where the injury size row and the tire size column intersect is the correct COI Radial repair unit to use

Injury Size			Tire Size					
Sidewall Injury		Tread Injury	Passenger	Light Truck	Heavy Truck			Earthmover
L= Length of Injury W= Width of Injury								
Maximum Width	Maximum Length	Maximum Diameter	125-195 Item No.	205-225 Item No	6.50-12.50 7-10 215/85-233/85 215/75-265/75 Item No	7.50-10.00 8-11 235/80-275/80 245/75-295-75 Item No	11.00-14.00 12-16.5 295/80-315/80 315/75-425/65 Item No	14.00-40.00 15.5-50.5 20.65-65/65 Item No
—	—	1/8" (3mm)	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1244**
1/8" (3mm)	1/8" (3mm)	—	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1243**
1/4" (6mm)	—	1/4" (6mm)	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1244**
1/4" (6mm)	1/4" (6mm)	—	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1243**
1/4" (6mm)	1/2" (12mm)	—	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1234**	*BK* **710-1243**	*BK* **710-1242**	*BK* **710-1243**
1/4" (6mm)	2" (50mm)	—	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1240**	*BK* **710-1243**	*BK* **710-1242**	*BK* **710-1243**
1 cable	1/2" (40mm)	—	—	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1234**	—
1 cable	3 1/8" (80mm)	—	—	—	*BK* **710-1240**	*BK* **710-1240**	*BK* **710-1240**	—
1 cable	4 3/4" (120mm)	—	—	—	—	*BK* **710-1241**	*BK* **710-1241**	—
1 cable	6" (150mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1243**	—
2 cable	3/4" (19mm)	—	—	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1240**	—
2 cable	1 1/2" (40mm)	—	—	—	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1241**	—
2 cable	2 3/8" (19mm)	—	—	—	*BK* **710-1234**	*BK* **710-1241**	*BK* **710-1243**	—
2 cable	5 1/8" (130mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1244**	—
—	—	3/8" (10mm)	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1244**
3/8" (10mm)	3/8" (10mm)	—	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1243**
3/8" (10mm)	1 1/2" (40mm)	—	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1243**	*BK* **710-1242**	*BK* **710-1243**
3/8" (10mm)	2" (50mm)	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1243**	*BK* **710-1242**	*BK* **710-1243**
3/8" (10mm)	2 3/8" (60mm)	—	—	—	*BK* **710-1240**	*BK* **710-1243**	*BK* **710-1242**	*BK* **710-1243**
3/8" (10mm)	3 1/8" (80mm)	—	—	—	*BK* **710-1243**	*BK* **710-1243**	*BK* **710-1243**	*BK* **710-1243**
3/8" (10mm)	5 1/8" (130mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1244**	—
—	—	1/2" (12mm)	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1242**	*BK* **710-1244**
1/2" (12mm)	1 1/2" (40mm)	—	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1242**	*BK* **710-1244**
1/2" (12mm)	2" (50mm)	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
1/2" (12mm)	2 3/4" (70mm)	—	—	—	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
1/2" (12mm)	3 3/4" (95mm)	—	—	—	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1243**	—
1/2" (12mm)	5 1/8" (130mm)	—	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—
—	—	3/4" (19mm)	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
3/4" (19mm)	3/4" (20mm)	—	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
3/4" (19mm)	1" (25mm)	—	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
3/4" (19mm)	1 1/2" (40mm)	—	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1241**	*BK* **710-1242**	*BK* **710-1242**	*BK* **710-1244**
3/4" (19mm)	2" (50mm)	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1241**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
3/4" (19mm)	2 1/2" (65mm)	—	—	—	*BK* **710-1241**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**
3/4" (19mm)	4 3/8" (110mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1243**	—
3/4" (19mm)	5 1/8" (130mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1244**	—
—	—	1/8" (3mm)	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1242**	*BK* **710-1244**	*BK* **710-1244**	*BK* **710-1244**
1" (25mm)	1 1/2" (40mm)	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**	—
1" (25mm)	2" (50mm)	—	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**	—
1" (25mm)	3 1/8" (80mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1244**	—
1" (25mm)	4" (100mm)	—	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—
—	—	1/8" (3mm)	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1242**	*BK* **710-1244**	*BK* **710-1244**	*BK* **710-1244**
1" (25mm)	1 1/2" (40mm)	—	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**	—
1" (25mm)	2" (50mm)	—	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1244**	—
1" (25mm)	3 1/8" (80mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1244**	—
1" (25mm)	4" (100mm)	—	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—
—	—	1 1/4" (30mm)	*BK* **710-1229**	*BK* **710-1229**	—	*BK* **710-1243**	*BK* **710-1243**	—
1 1/4" (30mm)	2" (50mm)	—	—	—	—	*BK* **710-1243**	*BK* **710-1244**	—
1 1/4" (30mm)	3 1/8" (80mm)	—	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—
1 1/4" (30mm)	4" (100mm)	—	—	—	—	*BK* **710-1244**	—	—
—	—	1 1/2" (40mm)	—	—	—	*BK* **710-1243**	*BK* **710-1243**	—
1 1/2" (40mm)	2" (50mm)	—	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—
1 1/2" (40mm)	3 1/8" (80mm)	—	—	—	—	*BK* **710-1244**	—	—

⚠ **WARNING: (*BK* 710-1227, *BK* 710-1229, *BK* 710-1234, *BK* 710-1240, *BK* 710-1242, *BK* 710-1243 & *BK* 710-1244) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Tire Repair

CENTER OF INJURY RADIAL TIRE REPAIR APPLICATIONS (CONTINUED)

Maximum Width	Maximum Length	Maximum Diameter	125-195 Item No.	205-225 Item No.	6.50-12.50 7-10 215/85-233/85 215/75-265/75 Item No.	7.50-10.00 8-11 235/80-275/80 245/75-295-75 Item No.	11.00-14.00 12-16.5 295/80-315/80 315/75-425/65 Item No.	14.00-40.00 15.5-50.5 20.65-65/65 Item No.
Shoulder Injury								
 D= Diameter of Injury		1/4" (6mm)	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1243**	*BK* **710-1243**
		3/8" (10mm)	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1243**
		1/2" (12mm)	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1244**
		3/4" (19mm)	—	—	*BK* **710-1240**	*BK* **710-1240**	*BK* **710-1242**	—
		1" (25mm)	—	—	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1243**	—
		1 1/2" (40mm)	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—

⚠ **WARNING: (*BK* 710-1227, *BK* 710-1229, *BK* 710-1234, *BK* 710-1240, *BK* 710-1242, *BK* 710-1243 & *BK* 710-1244) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BIAS-PLY REINFORCED TIRE REPAIR APPLICATIONS

1. Use the appropriate section of the chart for the repair being performed.
2. Note the ply rating of the tire being repaired and locate in left-hand column of appropriate section.
3. Measure the injury being repaired across the largest area of broken/removed cord. Locate it, or the next largest size, along top row.
4. Use specified repair unit where the column and row intersect.

Injury Size Chart

Tire Ply Rating	3mm 1/8" Item No.*	6mm 1/4" Item No.*	10mm 3/8" Item No.*	15mm 1/2" Item No.*	20mm 3/4" Item No.*	25mm 1" Item No.*	40mm 1 1/2" Item No.*	50mm 2" Item No.*	65mm 2 1/2" Item No.*	75mm 3" Item No.*	100mm 4" Item No.*	125mm 5" Item No.*	150mm 6" Item No.*
Earthmover/Passenger/Truck													
4	**710-1039**	**710-1039**	**710-1049**	**710-1206**	**710-1207**	**710-1207**	**710-1207**	**710-1216**	**710-1217**	—	—	—	—
6-8	**710-1039**	**710-1049**	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	—	—	—	—
10-12	**710-1039**	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1219**	—	—
14-16	**710-1039**	**710-1206**	**710-1207**	**710-1216**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1219**	**710-1219**	**710-1226**	—	—
18-20	**710-1049**	**710-1206**	**710-1216**	**710-1216**	**710-1217**	**710-1218**	**710-1219**	**710-1226**	**710-1226**	**710-1226**	**710-1226**	—	—
22-24	**710-1049**	**710-1206**	**710-1216**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1226**	**710-1226**	**710-1226**	—	—	—
Farm/Skidder/Tractor													
4-6	**710-1206**	**710-1207**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1219**	**710-1219**
8-12	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1218**	**710-1226**	**710-1226**
14-16	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1226**	**710-1226**	**710-1226**	**710-1226**	—
18	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1226**	**710-1226**	**710-1226**	**710-1226**	—	—
Reinforcement Repair (Less than 75% of Tire Plies Damaged)													
8-12	**710-1039**	**710-1049**	**710-1206**	**710-1206**	**710-1207**	**710-1207**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	**710-1219**	**710-1226**	—
14-18	**710-1039**	**710-1206**	**710-1207**	**710-1207**	**710-1216**	**710-1216**	**710-1216**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1226**	—
20-24	**710-1049**	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	**710-1219**	**710-1219**	**710-1226**	**710-1226**	—

***When ordering, please add *BK* to the beginning of the part number.**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RADIAL TIRE NON-REPAIRABLE AREAS

Type/Tire Size	Measure From Toe of Bead Down Inner Liner
Light Truck	2 1/4" (57mm)
Passenger	2 1/2" (63mm)
Truck, 7.50	3 1/2" (89mm)
Truck, 8.50	3 1/4" (83mm)
Truck, 9.00-12.00	4" (102mm)

BIAS PLY TIRE NON-REPAIRABLE AREAS

Tire Size	Measure From Toe of Bead Down Inner Liner
7.00-8.75	3 1/4" (80mm)
9.00-14.00	4" (100mm)
16.00-18.00	5" (125mm)
21.00-29.50	6" (150mm)

CENTER OF INJURY RADIAL TIRE REPAIRS

Item No.	Size W.	Size L.	Ply	Qty. Per Box
BK **710-1227**	2"	3"	1	20
BK **710-1229**	2¼"	4"	1	10
BK **710-1234**	3"	5"	2	10
BK **710-1240**	3"	6"	2	10
BK **710-1241**	3"	8½"	2	10
BK **710-1242**	4"	7½"	3	5
BK **710-1243**	5"	10"	4	5
BK **710-1244**	5"	13"	4	5

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

RADIAL TIRE REPAIR PATCHES

Chemically vulcanizing patches with reinforced polyester cord are designed to flex with radial tires. For tread and sidewall repairs. May be applied hot or cold. Use *BK* **765-1198** Vulcanizing Cement. Box of 10.

Item No.	Description
BK **710-1080**	Small, ⅛" Injury
BK **710-1081**	Medium, ¼" Injury
BK **710-1082**	Large, ½" Injury

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

USA STYLE BIAS PLY TIRE REPAIR UNITS

Bias ply repair units are reinforced to repair bias ply tires. Can use in heat system or chemical vulcanization process. Material type is rubber. Flexible design comparable to Tech™ branded repair units.

Item No.	Tire Patch Size	Ply	Qty. Per Box
BK **710-1814**	CP3, 4⅜" x 4⅜"	2	10
BK **710-1815**	CP4, 5½" x 5½"	4	10
BK **710-1816**	CP5, 6¾" x 6¾"	4	10
BK **710-1817**	CP6, 9⅝" x 9⅝"	6	5
BK **710-1818**	CP7, 11⅜" x 11⅜"	6	5
BK **710-1819**	CP8, 13⅜" x 13⅜"	6	5
BK **710-1820**	CP9, 15" x 15"	8	3

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TIRE REPAIR PATCHES

Reinforced patched for Bias-Ply tires are designed to repair small injuries. Constructed of high-tensile, right angle cord fabric.

BK **710-1084** 3½" x 3½"
BK **710-1083** 5½" x 5½"

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

USA STYLE RADIAL REINFORCED TIRE REPAIR

Radial reinforced for permanent radial tire repair. Can use in heat system or chemical vulcanization process. Material type is rubber. Flexible design comparable to Tech™ branded repair units.

Item No.	Tire Patch Size	Ply	Qty. Per Box
BK **710-1821**	Radial 10, 2⅜" x 3"	1	20
BK **710-1822**	Radial 12, 2¼" x 4"	1	10
BK **710-1823**	Radial 20, 2⅞" x 5"	2	10
BK **710-1824**	Radial 22, 3" x 6"	2	10
BK **710-1825**	Radial 24, 3" x 8½"	2	10
BK **710-1826**	Radial 40, 4" x 7⅜"	3	10
BK **710-1827**	Radial 42, 5" x 10"	4	10
BK **710-1828**	Radial 44, 5" x 13"	4	10

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BIAS-PLY REINFORCED TIRE REPAIRS

Designed for use in puncture, reinforcing or section repairs. Can be applied in any repairable area of a tube or tubeless bias-ply tire. Vulcanizes chemically or in heat-curing systems. Feather-edge design eliminates chafing.

Item No.	Size	Ply	Qty. Per Box
BK **710-1206**	3½"	2	10
BK **710-1207**	4½"	2	10
BK **710-1216**	7"	3	10
BK **710-1217**	9"	4	10
BK **710-1218**	10"	6	5
BK **710-1219**	12"	6	5
BK **710-1226**	15"	8	5

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BIAS-PLY TIRE REPAIRS

Right-angle, high-tensile cord for strength. Designed for tube or tubeless tires. Chemically vulcanizes.

Item No.	Description	Ply	Qty./Box
BK **710-1060**	3½" x 3½", Nail Hole	2	5
BK **710-1061**	4½" x 4½", Small	2	5
BK **710-1062**	5½" x 5½", Med.	2	5
BK **710-1064**	7½" x 7½", Med./Large	4	5
BK **710-1065**	8½" x 8½", Large	4	5
BK **710-1066**	10½" x 10½", Truck	6	6
BK **710-1067**	12½" x 12½", Tractor	6	6
BK **710-1068**	15½" x 15½", Tractor	8	6

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Tire Repair

LEAD-WIRE COMBINATION TIRE REPAIR UNITS

No special wire pulling tools required. Just insert lead wire into injury from inside the tire and pull repair through from the outside. Both stem and repair are gum-coated, providing a complete bond through the injury and on the inner liner. Black with gray, chemically-vulcanizing gum. Will also vulcanize in a heat-curing system.

Item No.	Patch Size	Stem Diameter
BK **710-1596**	1" (25 mm)	1/8" (3 mm)
BK **710-1597**	1 3/4" (45 mm)	1/4" (6 mm)
BK **710-1598**	2" (8 mm)	5/16" (8 mm)
BK **710-1599**	2" (50 mm)	3/8" (10 mm)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

FEATHEREDGE TIRE REPAIR PATCHES

Patches with split backing chemically vulcanize when applied with cement. May be applied hot or cold. For non-radial repairs.

Item No.	Description	Qty./Box
BK **710-1055**	Small Round, 1 5/8"	40
BK **510-1055**	Value Small Round, 1 5/8"	40
BK **710-1056**	Medium Round, 2 1/4"	30
BK **510-1056**	Value Medium Round, 2 1/4"	30
BK **710-1059**	Large Round, 3 1/8"	20
BK **510-1059**	Value Large Round, 3 1/8"	20
BK **710-1057**	Small Oval, 1 3/8" x 2 3/8"	30
BK **710-1058**	Medium Oval, 1 7/8" x 3 3/4"	20
BK **710-1054**	Large Oval, 2 1/2" x 5 3/4"	20
BK **710-1701**	Round, 2 1/4"	10

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TIRE SPREADER

Tire spreader has adjustable claws and sturdy steel construction. Use on passenger and light truck, it is heavy duty black. Comes unassembled. Contents: Tire spreader, hardware and instructions.

BK **813-5018**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

PLUG-N-PATCH ROUND RUBBER TIRE REPAIRS

For nail hole injuries on cars and trucks. Feature molded-in straight pin.

Item No.	Patch Size	Stem Diameter
BK **710-1642**	5/8" (42mm)	5/32" (4mm)
BK **710-1643**	1 7/8" (47mm)	7/32" (5.5mm)
BK **710-1644**	2 1/8" (55mm)	5/16" (8mm)

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

UNIVERSAL ROUND RADIAL TIRE REPAIR PATCHES

For all repairs of radial tires (may also be used on belted bias tires), including tread, shoulder and sidewall. Reinforced rubber for optimum flexing action. Chemical vulcanization.

Item No.	Description	Qty./Box
BK **710-1051**	Small, 2 1/4"	30
BK **510-1051**	Value Small, 2 1/4"	30
BK **710-1050**	Medium, 3 1/8"	20
BK **510-1050**	Value Medium, 3 1/8"	20
BK **710-1052**	Large, 4 1/8"	10

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

UNIVERSAL TIRE REPAIR UNITS

Designed for radial or bias-ply tires. Repairs nail holes and other punctures. Heavy-duty cement, *BK* **765-1685** or *BK* **765-1688** is recommended.

BK **710-1039** 2 1/8" dia., 30 per box.
BK **710-1049** 3" dia., 20 per box.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

X-LIGHT LED TIRE REPAIR WORK LIGHT

The cordless X-Light is designed for hands-free lighting during tire service and other work applications. The X-Light clips onto the bead of most passenger and light truck tires to provide focused bright light for buffing. The 12" neck is adjustable for optimum light positioning within tight spaces. The X-Light is rechargeable with a powerful lithium-ion battery. The clamp and light head are magnetic for other lighting applications. Lamp housing material is plastic. Lamp dimensions 2.5" x 2.25" x 1.75".

BK **710-1832**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TIRE REPAIR CABINET ASSORTMENT

- The perfect solution for anyone wanting to start up a tire repair service
- Helps keep tire repair supplies organized. Better inventory control
- Free-standing or wall mount cabinet
- Includes reorder pad for ease of restocking
- Product and cabinet are NAPA branded

Contents

Item No	Description	Qty.
BK **710-1051**	(30) 2¼" Round Radial Patch	1
BK **710-1056**	(30) 2¼" Oval Radial Patch	1
BK **710-1050**	(30) 3⅛" Round Radial Patch	1
BK **710-1227**	(20) 2" x 3" Reinforced Radial Patch-R*MA-style	1
BK **710-1598**	Patch Plug Comb. (Wire Lead Type) 2" Patch, 5 1/16" Stem	1
BK **710-1597**	Patch Plug Comb. (Wire Lead Type) 1¾" Patch, ¼" Stem	1
BK **710-1691**	(20) Lead Wire Inserts ¼"	1
BK **710-1690**	(20) Lead Wire Inserts 3/16"	1
BK **765-1198**	Vulcanizing Cement - 8 oz. can	1
BK **710-1204**	32 oz. can Flammable Bead Sealer	1
BK **765-1322**	32 oz. can Liquid Rubber Buffer Cleaner	1
BK **710-1222**	White Paint Marker-¾" Round	1
BK **710-1117**	Tubeless Tire Repair Probe/Rasp	1
BK **710-1212**	2" with ¼" Hole Buffing Wheel	1
BK **710-1648**	Truck Tire Spiral Probe	1
BK **710-1110**	Tire Stitcher	1
BK **710-1099**	Tire Repair Probe	1
BK **710-1205**	Inner Liner Scraper	1
BK **710-1004**	Quick-Change Short Adapter 3/8" x 24 threads	1
BK **710-1678**	Low-Speed, Quick-Change Buffer-¼" Inlet	1
BK **710-1119**	Rigid Skiving Knife-4" Blade	1
BK **710-1682**	Buffer Quick Change Adapter ¼" Shank-Cutting	1
BK **710-1681**	Buffer Quick Change Adapter 3/16" Shank-Cutting	1
BK **710-1684**	3/16" Dia. Carbide Cutter-Diamond Cut	1
BK **710-1685**	7/32" Dia. Carbide Cutter-Diamond Cut	1

BK **899-2426**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INNER LINER SEALER

Inner Liner Sealer puts the integrity back into the inner liner of a tire after a repair has been performed. Hazardous, Flammable. 16 Oz. metal can.

BK **710-1829**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY TIRE REPAIR CEMENTS

Heavy-duty repair units may have up to a 15-ply rating, requiring a heavy-duty cement to cure them. Heavy-duty cements contain more solid and chemical activators than regular universal cements. Black Cement is used for section and some agricultural repairs. Some technicians prefer flammable cements because they speed drying time. Extreme care must be exercised when using flammable cements*.

*** Warning: Use extreme caution when using flammable cements. Using products contrary to directions or specification could result in injury and/or damage to property.**

UNIVERSAL VULCANIZING TIRE REPAIR CEMENTS

For use as a cleaning solvent, lubrication agent or sealing cement. May be used with chemical/cold patches, boots, plugs and vulcanizing rubber. Ideal for tires, tubes, and other soft rubber items.

Item No	Description
BK **765-1197**	4 oz.
BK **710-1079**	8 oz.
BK **765-1199**	32.oz.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLAMMABLE TUBELESS TIRE REPAIR BEAD SEALERS

Seals tire to rim in one coat. Use on any tubeless tire. One quart can comes with cap and applicator brush.

BK **710-1204**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE REPAIR LIQUID BUFFERS

Special solvent for cleaning tubeless tires and tubes both before, and after, buffing.

Item No.	Description
BK **765-1322**	1 qt. can
BK **765-1323**	16 oz. spray

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Tire Repair

HEAVY-DUTY TRUCK TIRE REPAIR INSERTS

Self-vulcanizing. Length: 8". Box of 20.

Item No	Description
BK **710-1053**	Round
BK **710-1069**	Oval

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAGICURE PLY-SEAL TIRE REPAIR STRIPS & ACCESSORIES

Tubeless tire repair strips chemically vulcanize into injury without heat for quick repairs.

Item No.	Description
BK **710-1022**	5-ply Orange, 2 1/4" x 3/8", Box of 50
BK **710-1023**	5-ply Black, 3 1/8" x 5/8", Box of 25
BK **710-1116**	Open Eye Needle
BK **710-1099**	Probe/Rasp

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAGICURE VULCANIZING TIRE PLUGS

Chemically vulcanize throughout injury becoming a permanent part of tire. Use with *BK* **710-1041** Plug Gun. For tubeless tires.

Item No	Description
BK **710-1134**	7/16", Box of 15
BK **710-1133**	5/16", Box of 25

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE REPAIR GUN

Sturdy metal gun injects flared-head rubber plugs into holes under extreme compression. Quick and easy to use.

Item No.	Description
BK **710-1041**	Tire Repair Gun
BK **710-1046**	Small Nozzle
BK **710-1047**	Large Nozzle

⚠ **WARNING: Cancer and Reproductive Harm - www.P65War nings.ca.gov.**

RADIAL TIRE REPAIR KIT

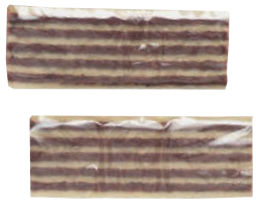
Special formula makes this kit ideal for steel-belted, radial tires — no cement required. May also be used on other radials, as well as tubeless tires. Conforms to the shape of injury for on-the-rim repairs. Kit includes 10 repairs and inserting needle.

BK **710-1033**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEEL BELTED RADIAL TRUCK TIRE REPAIR INSERTS

Heavy-duty 8" inserts are excellent for emergency repairs of nail holes in truck tires. Contains 30 inserts.



BK **710-1640**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY RADIAL TIRE REPAIR STRIPS

Self-vulcanizing repairs for all steel-belted and other tubeless tires. Box of 60.

Item No	Description
BK **710-1036**	Radial Tire Repair Strips
BK **510-1036**	Value Tire Repair Strips

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RADIAL TIRE REPAIR STRINGS

For repairs on all tubeless tires. String-type repairs are approximately 7 1/4" long. Box of 50.

Item No	Description
BK **710-1185**	Radial Tire Repair Strings
BK **510-1185**	Value Tire Repairs

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HEAVY-DUTY PREMIUM STRING KITS

Features patented comfort-grip T-handle, spiral probe and insert needle. This string kit is excellent for repairing heavy-duty passenger car and truck tires. Contents: 4" or 8" strings, heavy-duty T-handle with needle and probe, lubricant, knife, instructions, and valve core screwdriver all in a blow-molded case.

Item No	Description
BK **710-1830**	Kit with 4" Strings
BK **710-1831**	Kit with 8" Strings

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LARGE TIRE REPAIR & MAINTENANCE KIT

BK **710-1688**

Contents

Qty.	Description
1	Carrying Case
20	Repair Plugs
1	Rubber Cement, ½ oz.
1	Metal Buffer

Qty.	Description
1	T-Handle Insert Tool
1	T-Handle Rasp
1	Tire Gauge, 5-50 PSI
3	Tubeless Tire Patches, Medium Round

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

KOLPIN

ATV TIRE REPAIR KIT

Don't let a flat tire leave you stranded on the trail. This tire repair kit includes everything needed to repair and inflate ATV tires.

BK **730-5792**

Contents

Qty.	Description
3	CO2 cartridges
1	Regulator/adapter tool
5	Tire seals
1	Roughing tool
1	Installation tool
1	Storage pouch

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

KOLPIN

ATV FLAT PACKS

Flat packs are designed for ATVs and UTVs and include everything needed to fix up to 10 flat tires. Components fit into integrated, low-pressure pump housing. CO2 is not required. Compact and easy to store.

BK **730-5791**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER-GRIP EMERGENCY TIRE REPAIR KIT

For all bias-ply and non-speed rated radial tires. Kit includes five radial inserts, super-grip rasp, open-eye tool and 0.41 fl. oz. of universal cement.

BK **710-1639**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RADIAL TIRE REPAIR INSERT KIT

Heavy-duty 4" inserts are excellent for emergency repairs of nail holes in passenger tires. Also great for the repair of ATV, golf cart and lawn mower tires. Kit includes one box of 20 radial tire inserts (*BK* **710-1149**), one probe, one needle and cement.

Item No.	Description
BK **710-1147**	Kit
BK **710-1149**	4" Repair Inserts
BK **710-1117**	Probe
BK **710-1116**	Split Eye Insert Needle
BK **765-1198**	Cement 8 oz.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BK **710-1833**

HEAVY-DUTY VEHICLE TIRE REPAIR KITS

H.D. Passenger 4" Strings

This string kit has everything you need to handle small tire applications, pistol grip tools. Contents: 50 pieces string, spiral cement probe, pistol-grip needle, lubricant, knife, and repair booklet in a plastic case.

BK **710-1833**

H.D. Truck 8" Strings

This string kit has everything you need to handle heavier duty applications, longer needle for larger tires. Contents: 25 pieces string, cement probe, pistol-grip needle, lubricant, knife, and repair booklet in a plastic case.

BK **710-1834**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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Tire Repair

PLUG-N-PATCH RETAIL ROUND TIRE REPAIR KIT
For nail hole injuries on cars and light trucks. Features molded-in straight pin. Kit includes one small (*BK* **710-1642**) and one medium (*BK* **710-1643**) repair.

BK **710-1645**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STEEL BELTED RADIAL TIRE REPAIR KIT
For use on all tubeless tires. Includes five self-vulcanizing radial inserts, probe and split-eye needle.

BK **710-1112**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE REPAIR REFILL KIT
Repair refills for Steel-Belted Radial Tire Repair Kit (*BK* **710-1112**). Includes five self-vulcanizing radial inserts and 0.41 fl. oz. of cement.

BK **710-1113**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

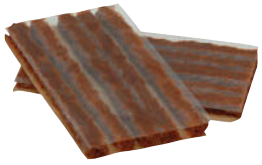
TUBELESS TIRE REFILL KIT
Six repair strings, open eye needle. Ideal for all tubeless tires. Contains .41 fl. oz. tube of cement.

BK **710-1094**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BROWN STRING TIRE REFILL KIT
Ten repair strings. Length: 4".

BK **710-1703**



⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BICYCLE TUBE TIRE REPAIR KIT
Kit includes: two 13/16" patches, six 15/16" patches and cement.

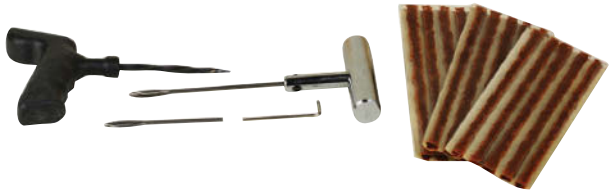
BK **710-1030**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNIVERSAL RADIAL PATCH TIRE REPAIR KIT
Includes 10 round 2¼" radial patches.

BK **710-1701**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



HEAVY-DUTY TRUCK TIRE EMERGENCY REPAIR KIT
Everything necessary for emergency repairs on the largest truck tires. Includes heavy-duty, all steel split-eye tool, spiral cement tool, 1 oz. tube of universal cement and 15 heavy-duty inserts.

BK **710-1641**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MAGICURE VULCANIZING TIRE PLUG KIT
Plugs chemically vulcanize and become a permanent part of the tire when shot into an injury. For on or off the wheel repairs.

BK **710-1028**

Contents

Qty.	Item No.	Description
1	*BK* **710-1079**	8 oz. Vulcanizing Cement
1	*BK* **710-1041**	Plug Gun
15	*BK* **710-1134**	7/16" Large Plugs
50	*BK* **710-1133**	5/16" Small Plugs
1	*BK* **710-1117**	Probe

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TUBELESS TIRE REPAIR KIT
Quick and easy repair for all tubeless tires. Includes six repair strips, one inserting needle (*BK* **710-1116**), and one tube of cement.

BK **710-1031**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TUBELESS TIRE REFILL KIT
Repair refills for Tubeless Tire Repair Kit (BK **710-1031**). Kit includes 12 repair strips and 0.41 fl. Oz. tube of cement.

BK **710-1111**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOIL-BACK TIRE REPAIR KIT
Kit includes three 1½", two 2⅛" round patches, and 0.41 oz. of universal cement.

BK **710-1702**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RADIAL TIRE REPAIR KIT
Pure rubber flows into injury forming a lasting repair. Chemically vulcanizing repairs may also be used on other tubeless tires and inner tubes. Kit includes four 2¼" repairs, cement and buffer.

BK **710-1096**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COLD PROCESS RUBBER TIRE REPAIR KIT
Everything required to create lasting rubber repairs. Kit includes six square inches of rubber, three (1" x 1") repairs, cement and buffer.

BK **710-1091**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EURO-STYLE TIRE REPAIR KIT
Kit includes four 2⅛" round universal patches and 0.41 oz. of universal cement.

BK **710-1700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CONSUMER TIRE REPAIR KIT
Includes 12 square inches of black rubber, four bevel patches and one tube of cement.

BK **710-1014**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RUBBER TIRE REPAIR KIT
Chemically vulcanizing repairs for tubeless tires and inner tubes. Kit includes three 1⅝" and two 2¼" featheredge repairs, cement and thumb buffer. Not recommended for use on radial tires.

BK **710-1090**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RUBBER/VINYL TIRE REPAIR KIT
Kit includes six square inches of rubber, three (1" x 1") repairs, one tube of cement and buffer.

BK **710-1093**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SHOP SIZE TIRE REPAIR KIT
Includes two 5" x 6" patches of rubber, 4 oz. can of cement, 50 1" x 1" bevel patches and one buffer.

BK **710-1011**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RUBBER TIRE REPAIR KIT
Includes one 5" x 6" patch of rubber, eight 1" x 1" bevel patches and 0.41 oz. tube of cement.

BK **710-1032**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

UNIVERSAL TIRE REPAIR CEMENT
One ounce tube.

BK **765-2571**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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HEAVY-DUTY SPLIT-EYE TRUCK TIRE REPAIR NEEDLE

Metal needle for truck tire repairs.

Item No.	Description
BK **710-1042**	Tire Repair Needle
BK **710-1124**	Replacement Needle

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BK **710-1649**

HEAVY-DUTY TRUCK TIRE PROBE

Heavy-duty metal probe for truck tire repairs.

Item No.	Description
BK **710-1648**	Tire Probe
BK **710-1649**	Replacement Probe

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OPEN-EYE TRUCK TIRE REPAIR NEEDLE

Shaft: 8".

BK **710-1044**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE REPAIR PROBE

May be used to clean injuries or, with cement, to lubricate them for easier repair.

BK **710-1099**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER-GRIP CLOSED-EYE TUBELESS TIRE REPAIR NEEDLE

The quick, easy way to repair steel-belted, or any other, tubeless tire.

BK **710-1183**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER-GRIP OPEN-EYE TUBELESS TIRE REPAIR NEEDLE

The quick and easy way to repair steel-belted, or any other, tubeless tire.

BK **710-1116**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAPA® PREMIUM HEAVY-DUTY TIRE SEALANT

Simply the best tire sealant in the world. AmerSeal® permanently repairs punctures 1/4" or larger in heavy ply industrial tires; seals rim and bead leaks including welding cracks on the rims, maintains tire pressure, extends tire life and saves fuel. It is effective in all air-filled tires, and is non-corrosive in the wheels. AmerSeal® is totally water soluble and can be easily rinsed out of tires for recapping. It is non-flammable, and non-explosive. Effective in both hot and cold climates and will not freeze to -45°F. AmerSeal® is homogenous and will not break down either in the container or the tire. Does not affect wheel balancing when properly installed, do not over-applicate tires on high-speed vehicles. Easy to use. Installation tool comes with each bottle.

Tire Type	Recommended Usage
Bicycle Tires	4 oz./120mL
Motorcycle Tires	10 oz./300mL
Tractor Style Mowers	16 oz./480mL (front tires) 24 oz./720mL (rear tires)
ATV Tires	25 oz./750mL (front tires) 32 oz./960mL (rear tires)

See Dealer's Tire Chart for all tire sizes and application amounts.

Item No.	Description
BK **765-2698**	16 oz.
BK **765-2699**	32 oz.
BK **765-2696**	1 gal.
BK **827-2591**	5 gal.
BK **821-3823**	Pump for 5 gal.
BK **809-5061**	Pump for 55 gal.
BK **899-2281**	Premium Tire Sealant Assortment/Floor Demo Display
BK **899-2282**	Premium Tire Sealant Assortment/Counter Demo Display

⚠ **WARNING:(*BK* 765-2698, *BK* 765-2699, *BK* 765-2696, *BK* 827-259, *BK* 899-2281 & *BK* 899-2282) This product can expose you to chemicals including ethylene glycol, which is known to the State of California to cause reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

⚠ **WARNING:(*BK* 809-5061) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER-GRIP SPLIT-EYE TUBELESS TIRE REPAIR NEEDLE

The quick and easy way to repair steel-belted or any other tubeless tire.

BK **710-1184**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SUPER-GRIP TUBELESS TIRE REPAIR PROBE/RASP

The quick and easy way to repair steel-belted or any other tubeless tire.

BK **710-1117**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov.**

SUPER-GRIP TRUCK TIRE REPAIR PROBE

Spiral probe/cementing tool for truck tire repairs.

BK **710-1043**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE REPAIR KNIFE
High-carbon steel with 4" blade and tapered point.

BK **710-1119**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE REPAIR KNIFE
High-carbon steel with curved, 3½" blade and sharp point.

BK **710-1123**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE INNER-LINER SCRAPER
For cleaning inner-liner before buffing.

BK **710-1205**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TUBELESS TIRE STITCHER
Specially designed for tubeless tires and cold vulcanizing tire patches.

BK **710-1179**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORRUGATED TIRE STITCHERS
Size: 3/16" face x 1½" dia.

BK **710-1110**

BK **710-1110** Wooden Handle w/ Cold Roll Steel
BK **710-1178** Plastic Handle w/ Cold Roll Steel

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STRING-TYPE INSERT LUBRICANT
High quality Petroleum-based lubricant for tire string inserts. Ensures the repair won't break during installation. 4 Oz. plastic jar.

BK **765-2885**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE CRAYON
Makes bright, legible markings on all types of rubber. Use to mark injured area of tires and tubes prior to repair. 4⅞" x ½" Hexagon.

Item No.	Color
BK **710-1220**	Yellow
BK **710-1221**	White

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE LETTERING STICK
White lettering stick restores color on raised- or hollow-lettered tires. Water-resistant oil base. Quantity: One, carded.

BK **710-1222**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIRE MARKING CRAYON
Yellow tire marking crayon clearly marks tire injury location for repair. Quantity: One, carded.

BK **710-1223**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BK **710-1681** *BK* **710-1680** *BK* **710-1679**

TIRE REPAIR BUFFER QUICK-CHANGE ADAPTERS
For attaching wheels and cutting tools to air-powered buffers with a quick-change chuck.

Item No.	Description
BK **710-1681**	Cutting Tool, 3/16" Shank
BK **710-1682**	Cutting Tool, ¼" Shank
BK **710-1683**	Cutting Tool, 5/16" Shank

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ENCAPSULATED BRUSH
Polyflex brush designed removing rubber from steel cables without damaging fret wires. Size: 2" (50mm).

BK **710-1629**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3 IN. SOFT WIRE WHEEL
For removing scorched rubber in finished buzz outs from steel radials, without disrupting the steel or fret wires.

BK **710-1630**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2-1/2 IN. COARSE WIRE WHEEL
⅜" Arbor.

BK **710-1631**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SLOTTED FINISHING RASPS AIR-COOLED SOLID STEEL

Item No.	Dia.	Width	Arbor	Grit
BK **710-1600**	2"	½"	⅜"	36
BK **710-1601**	2"	½"	⅜"	16
BK **710-1602**	2"	¾"	⅜"	36
BK **710-1603**	2"	¾"	⅜"	16
BK **710-1604**	2"	3/16"	⅜"	36
BK **710-1605**	2"	3/16"	⅜"	16
BK **710-1606**	2"	¼"	⅜"	36
BK **710-1607**	2"	¼"	⅜"	16

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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PRO-CUT BRAKE SOLUTIONS

Pro-Cut Lathes: the required or recommended equipment for virtually all OEM Vehicle Manufacturers.

Ford · GM · SUBARU · NISSAN · HONDA · CHRYSLER · TOYOTA · BMW

B17 BENCH LATHE

Switching from resurfacing brake discs to drums takes merely seconds with the new Quick-Pivot cutting head. Feed direction is automatically changed as you spin and lock down the head. The power plant of the B17 is a quiet DC motor, which provides smooth operation across a wide range of discs & drums. The B17 is equipped with our most advanced electronics package which tracks the number of rotors and drums machined, and provides customizable maintenance alerts. All of that and it's mounted on a heavy-duty mobile tool cabinet to safely store all your necessary adapters and accessories. You just can't beat the B17's quality, precision and innovation.

PCT **PCB17**

PCX9DC6ADP

The X9D is our latest innovation in on-vehicle rotor matching. The all-new computer system provides disc tracking, maintenance alerts, and variable speed control. The X9D is the first and only rotor matching system in the world to be driven by a DC motor. Expect smooth operation, tighter run-out tolerances, and superior surface finishes. The DC difference is incredible! You need to see it to believe it. The X9D is now our only model upgradable to the GYR Validated Brake System.

PCT **PCX9-DC6ADP**

PCX9-6ADP

The PFM X9 combines our best existing technologies, like patented PFM one button computerized compensation system and 4 wheel-4 axis fully adjustable trolley, and combines them with a rigid new X-Frame lathe chassis, powerful belt driven high-torque drivetrain, and super bright 6 LED light to give you a clear path to higher profits! All X9's come with our famous DRO display that includes live run-out, productivity tracking, and lathe diagnostics. X9's are digitally expandable to the optional G2X measuring cutting head.

PCT **PCX9-6ADP**

PERFORMANCE PLUS INSERTS

Performance Plus Cutting Tips / Our newest and overall best performing cutting tips. Low chance of chatter, smooth finishes, and longer tip life. 6 tips with 6 screws in every box.

PCT **50-778**

DISC SILENCER

Standard Chip Deflector / For use on standard size vented rotors. Custom-cut to ride securely over the Pro-Cut cutting on 220 and 238 style cutting heads.

PCT **50-703**

THICK GREEN CHIP DEFLECTOR

Large Rotor Chip Deflector / For use on larger vented rotors up through medium duty trucks. Custom-cut to ride securely over the Pro-Cut 220 and 238 cutting heads.

PCT **50-744**

DOUBLE THICK SILENCER

Double-thick Chip deflector / For thin, solid rear rotors. Provides increased vibration dampening. For 220 and 238 cutting heads.

PCT **50-754**

PRO-CUT BRAKE SOLUTIONS

FORD TRANSIT ADAPTER KIT

Fits full size Ford Transit single and dual wheel models. Includes Rev. 7 50-696 adapter (5 on 155mm, 160mm, 165mm, 170mm) and Rev. 1 50-934 adapter (5 on 170mm, 190mm, & 6 on 180mm, 205mm, 222.3mm, 245mm), and 3) 50-962 spacers.

PCT **50-TRANSIT**

PRO-CUT BRAKE SOLUTIONS

8 & 10 TRUCK ADAPTER

Fits 3/4 and 1-ton applications such as GM 2500HD and Ford F350. Revision 9: 8 on 6.5", 8 on 170mm, 8 on 180mm, 10 on 7.25" patterns.

PCT **50-683 R9**

PRO-CUT BRAKE SOLUTIONS

DUAL WHEEL TRUCK ADAPTER

Fits many 1 ton dual wheel trucks. May require the use of additional stud extensions and a reach plate for rear rotors. Revision 9: 5 on 6.34", 6 on 6.5", 8 on 170mm, 8 on 200mm, 8 on 210mm, 8 on 225mm, 10 on 7.25", 10 on 222.25mm, 10 on 225mm patterns.

PCT **50-935 R9**

PRO-CUT BRAKE SOLUTIONS

DUAL WHEEL TRUCK KIT REVISION 1

For domestic 1 ton dual wheel pick-up chassis trucks 2002 and newer. Includes 50-683, 50-935, 50-1492, and 50-005, 50-007, & 50-009 stud extensions.

PCT **50-TRKKIT**

PRO-CUT BRAKE SOLUTIONS

QUICK-NUT KIT

Kit Includes: 1x Quick Nut Arbor *PCT* **50-4025** and 1x Quick Nut *PCT* **50-403**6

PCT **50-4144**

PRO-CUT BRAKE SOLUTIONS

LEFT SIDE WORK TABLE

PCT **50-4720**

PRO-CUT BRAKE SOLUTIONS

QUICK CHUCK KIT

Kit Includes: 1x Quick chuck w/ truck jaws, 1x Quick chuck w/car jaws 1x 4.75" backing plate, 1x 5" backing plate, 1x 6.25" backing plate,1x 7.25" backing plate and 2x chuck keys

PCT **50-4250**

PRO-CUT BRAKE SOLUTIONS

DUST CONTAINMENT SYSTEM

Fits Pro-Cut B17 with mobile cart option only. Includes large removable chip tray, vacuum port, and side and top doors with viewing windows.

PCT **50-4280**

MAHLE

FLUIDPRO BFX-20

Light duty brake fluid flush machine versatile and suitable for ABS, ESP, ESC, EDS and SBC.

- Fitted with an infinitely variable pressure regulator
- Suitable for ABS, ESP, EDS and SBC
- Hydraulic pump
- Pulsating fluid flow to pressurize air bubbles out of the braking system
- Automatic switch-off on empty container
- Pressure less decoupling from vehicle
- Venting of device during container changeover not necessary
- Adapters included
- The BFX-20 is additionally fitted with the BFX PLUS extraction system
- One-man operation of the mobile device is possible
- Optional removable tool tray

Item No.	Description
RTI **4258001100**	BFX-20 light duty brake fluid flush machine w/o Adapters
RTI **4258001400**	BFX-20 light duty brake fluid flush machine w/ Adapters
RTI **3258011800**	BFX-20 STD Adapter kit

Brake Bleeding Equipment

Mityvac

1.2 GALLON PRESSURE BRAKE BLEEDING SYSTEM

Professional hydraulic brake and clutch pressure bleed system includes the Mityvac® fluid dispenser and master cylinder adapters. Forces new brake fluid down through the master cylinder while air and old fluid are expelled through the bleed screw. Pressure gauge and pressure relief valve on the dispenser allow control of system pressure. Features 1.2-gallon reservoir, 5' hose, lid with integrated manual pump pressure gauge and relief valve, dispensing wand, hanging hook, 7 master cylinder adapters and case.

SER **MV6842**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SILVERLINE® ELITE AUTOMOTIVE BRAKE BLEEDING/ DIAGNOSTIC KIT

Includes everything necessary to perform hundreds of automotive diagnostic and mechanical tests. Ideal for one-person brake bleeding. Produces vacuum or pressure with the turn of a switch. Pressure/vacuum are created on the squeeze stroke for superior accuracy and control. Features one-finger trigger vacuum/ pressure release with comfortable, ergonomic design.

BK **700-3882**

Specifications

Pump Displacement: ..... 1 cu. in. (16 cc)/Stroke
Max. Vacuum: ..... 25 in Hg (85 kPa)
Max. Pressure: ..... 30+ PSI (207+ kPa)

Contents

Qty.	Description
1	Adapter, Rubber Cupped
4	Adapter, Tapered Tubing (For 0.09"-0.50" I.D. Tubes)
1	Adapter, Tubing (5/32" I.D. x 1/4" I.D.)
4	Adapter, Universal Bleed Screw
1	Bottle, 4.5 oz. Fluid Reservoir (Transfer/Storage Lids)
1	Case, Custom-Molded
1	Manual (English/French/German/Spanish)
2	Plug, Tapered Manifold
12	Plug, Vacuum Cap
1	Pump, Hand Vacuum/Pressure (2" Compound Gauge & Rubber Boot)
1	Refill Kit, Master Cylinder
1	T-Adapter, Vacuum Line
3	Tube, Connection
2	Tube, Long Connection (1/4" I.D. x 24")

⚠ **WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Mityvac

1.3 QUART ONE MAN BRAKE BLEEDER

- Unit offers a comfortable, lever-action throttle with lock-on latch and durable composite handle for long service life. Automatic shut-off to prevent overfilling and an integrated hanging hook which doubles as a hose wrap for convenient storage
- Utilizing compressed shop air 60-150 psi, the *SER* **MV6870** creates a powerful vacuum for bleeding brakes or hydraulic clutches. The brake bleeder features a compact, 1.3 quart (1.2 liter) reservoir and four-foot (1.2 meter) bleed hose with molded support
- The brake bleeder's three universal bleed screw adapters conform to most common bleed screw sizes, and its integrated muffler ensures quiet operation. Inlet Thread Size: 1/4" NPT

SER **MV6870**

Mityvac

BRAKE BLEEDING ADAPTER KIT

Expands applications of Mityvac® kit (*SER* **MV6400**) to in include pressure bleeding for hydraulic brake and clutch systems. Kit includes 7 master cylinder adapters to connect to most American, Asian, and European cars and light trucks. Adapters are application and master cylinder specific, and in most cases they lock in place of the original cap. Low-profile, right-angle, swivel adapters offer quick connection and easy operation in tight areas. Includes custom molded case.

SER **MVA6850**

Contents

Item No.	Type	Application(s)
SER **MVA800***	Locking Collar	Toyota, Lexus
SER **MVA801***	3-Tab Camlock	Chrysler, Dodge, Jeep, Plymouth
SER **MVA802***	3-Tab Camlock	Chrysler, Dodge, Jeep, Plymouth
SER **MVA803***	3-Tab Camlock	Most model GM cars (Buick, Cadilac, Chevrolet, GMC, Hummer, Oldsmobile, Pontiac), some Mazda
SER **MVA804****	45mm Thread	Most European cars (Alfa Romeo, Audi, BMW, Jaguar, Land Rover, Mercedes, Peugeot, Porsche, Renault, Saab, VW, Volvo), Chrysler Crossfire, Daewoo, Late model Ford, Kia, some Mazda, and Mini Cooper
SER **MVA808***	3-Tab Camlock	All Hyundai, Mitsubishi, Nissan and Subaru, some Chrysler/ Dodge, some Ford/Lincoln
SER **MVA809**	Universal Round Cone Secured with Chains	Master cylinders with small round necks from 1 1/4" x 2 1/8" (32mm to 54mm) internal diameter
SER **MVA810***	Universal Round Cone Secured with Chains	All Acura, Honda, Izusu and Suzuki, some Mitsubishi. Master cylinders with large round necks from 1 3/4" to 3 5/16" (50mm to 80mm) internal diameter
SER **MVA811**	Face Seal Secured with Dual Chains	Rectangular shaped master cylinder ranging in size up to 3 1/2" x 6" (90mm x 150mm)
SER **MVA812**	Face Seal Secured with Double Chains	Rectangular shaped master cylinder ranging in size from 3 1/2" x 6" (90mm x 150mm) to 4 1/4" x 7 3/4" (108mm x 200mm)

*** Included in MVA6850 and MV6840**
**** Included in MV6844, MV6840 and MVA6850**

CARLYLE TOOLS by NAPA

ONE-MAN REVERSE BRAKE & CLUTCH BLEEDER

The D-5 DIY reverse brake bleeder has the bare necessities for world-class brake and clutch bleeding at an economy price. Patented reverse fluid injection removes trapped air in brake system, which is the main cause of a spongy pedal. Includes main fittings and adapters to perform basic brake and clutch bleeding. One-man brake bleeder in 15 minutes operation. Multiple uses for the home and shop. No rebuild kits available. Manual pump.

SER **2104-B**

CARLYLE TOOLS by NAPA

MAXPROHD HEAVY DUTY PROFESSIONAL REVERSE BRAKE BLEEDER KIT

The MaxProHD reverse bleeder allows one person to bleed brakes, or clutches in ten minutes or less. Removes trapped air in brake systems with no electricity or pressurized air required. Lightweight, portable case and instructional DVD are included for added convenience.

- Patented reverse fluid injection
- Cost effective and multi-functional
- No additional tools or clips required to bleed ABS systems

SER **2002HD-B**

⚠ **WARNING: This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE BLEEDING KIT

Can be used on virtually all hydraulic systems. Rugged, professional tool enables one person to quickly, simply, and cleanly bleed brakes or other hydraulic systems. Using a vacuum to bleed brakes, no pedal-pusher person is necessary, nor is any fluid likely to be wasted on the shop floor. The system is fast and neat. Can also be used to drain the old fluid and pull the new fluid through to the wheel cylinder or caliper. In addition, the kit can be used as an aid in siphoning most other liquids. Kit includes pump (one-inch cylinder), special reservoir jar with transfer lid, storage lid, bleeding adapter package, tubing, and complete instructions.

Item No.	Description
BK **700-1008**	Brake Bleeding Kit without Gauge

⚠ **WARNING: (*BK* 700-1008) This product can expose you to chemicals including Di(2-ethylhexyl) Phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CARLYLE® TESTVAC BRAKE BLEEDING KIT – VACUUM PUMP

Regulated vacuum relief valve allows one man brake bleeding.

- Perform diagnostics test – including vacuum leaks, valve timing and engine condition
- Perform under hood testing of distributors, carburetors, EFI, EGR & PCV valves
- Perform under hood vacuum testing of heaters, A/C and door locks

Contents: Hose, Brake Bleeder Gun, Quick-Connect Fitting, Fluid Container and Tapered Adapter

SER **80031**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

CARLYLE® QUICKFLOW BRAKE BLEEDER

High-efficiency, large capacity vacuum brake bleeder featuring hose storage and a locking air trigger.

- Overflow shut-off valve
- Large capacity collection container
- Quick disposal of waste fluid through small remote cap
- 4L fluid capacity

SER **71800**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov**

EVERCRAFT™

ONE-MAN BRAKE BLEEDER

One-man unit contains collection bottle with hose and adapters to fit most foreign and domestic cars and light trucks. Can be used on all hydraulic systems. Includes strong magnet to hold bottle above bleed screw. Two tapered plugs and adapter enable use at both the wheel and master cylinder.

BK **776-9038**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

ONE-MAN BRAKE BLEEDER HOSE

Built-in, one-way check valve allows user to control the flow of brake fluid from wheel cylinders while pressing brakes. Universal spring clamp prevents hose from being blown off during bleeding operation. Clear hose allows user to view air bubbles.

BK **776-9089**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Brake Bleeding Equipment

CARLYLE TOOLS by NAPA

QUICK DRAW BRAKE BLEEDING SYSTEM

Everything needed to quickly bleed brakes with no mess. Includes plastic container to collect discharged fluid and three adapters to fit common bleeder screws.

SER **19200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BRAKE FLUID PUMP

Sturdy liquid pump features all-metal construction, with 36" of neoprene tubing and a check valve nozzle. Universal cap fits most one-gallon cans. Dispenses one ounce per stroke.

BK **720-1280**

CARLYLE TOOLS by NAPA

2 PC. BRAKE BLEEDER WRENCH

Two-piece brake bleeder set is used to bleed brake systems and keep air from entering from the brake side of the line.

- Silicone hose and inserts will withstand brake fluids
- Can be used with or without vacuum brake bleeder on most brake systems
- Ratchet allows for continuous loosening and tightening without removing from bleeder
- One-way check valve prevents spillage
- 8 x 10mm and 1/4" x 3/8"
- Steel material with Chrome finish

SER **5455**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

EVERCRAFT™

OFFSET BRAKE BLEEDER WRENCHES

For use on wheel cylinders with 1/4", 5/16", 3/8", 7mm, 8mm, 9mm, or 10mm bleeder screws. Box end allows for easy viewing of fluid flow. Chrome-plated.

Item No.	Description
BK **776-9045**	1/4" x 3/8"
BK **776-9164**	5/16" x 3/8"
BK **776-9165**	7mm x 9mm
BK **776-9044**	8mm x 10mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

BRAKE BLEEDER SCREW REMOVAL TOOL

The *SER* **BBTOOL** is an air hammer attachment that allows for the easy removal of seized bleeder screws.

- Compact design makes it perfect for small spaces
- Reduces labor time
- Fits any standard air hammer
- Removes bleeder screws without damaging calipers

SER **BBTOOL**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

ULTIMATE BRAKE BLEEDER REMOVAL TOOL KIT

S.U.R.& R.'s brake bleeder removal kit allows you to remove the most stubborn bleeder screws with ease.

- Avoid difficult and unnecessary drilling, tapping or heating
- Works with both aluminum and cast iron calipers
- Replacement bleeders and dust caps included in kit
- Fits any standard air hammer
- Everything you need for bleeder removal and replacement in one easy-to-use tool kit

SER **BB007**

S.U.R.&R.

BRAKE BLEEDER SCREWS

- OE style replacement bleeder screw.
- Made from high-quality steel
- Ideal for replacement of damaged bleeder screws

Item No.	Length	Size	Qty.
SER **BB01**	1.292 in.	M10 x 1.0S	5
SER **BB02**	1.176 in.	3/8 in. – 24	5
SER **BB03**	1.012 in.	5/16 in. – 24	5
SER **BB04**	0.925 in.	1/4 in. – 24	5
SER **BB05**	1.307 in.	M10 x 1.25	5
SER **BB06**	1.155 in.	M10 x 1.5	5
SER **BB07**	1.244 in.	M7 x 1.0	5
SER **BB08**	1.431 in.	7/16 in. – 24NS	5
SER **BB09**	1.191 in.	M8 x 1.25	5
SER **BB10**	1.171 in.	M8 x 1.0	5
SER **BB11**	1.369 in.	7/16 in. – 20NF	5
SER **BB12**	1.386 in.	M10 x 1.0	5

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

UNIVERSAL BLEEDER SCREW DUST CAPS

- Keep contaminates from getting into the bleeder screw fluid port.
- Fits smaller style bleeder screws
- Simple to install

Item No.	Size	Qty.
SER **BB20**	Small	5
SER **BB21**	Large	5

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.-R.

BRAKE BLEEDER SCREW PINS

For use with *SER* **BB007** brake bleeder removal kit.
Bag includes eight pins in four different sizes
Pins are sized to fit the various bleeder fluid ports

- Get multiple uses out of each pin
- (8) Pins
- 4 in. length

SER **BBPIN**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE FLUID TESTER

Quick and easy method to accurately gauge the moisture content of all types of brake fluid (DOT 3, DOT 4, DOT 5.1)

- Ideal two-button use, one power button and the other to easily switch fluid types
- Easy to read LED moisture gauge
- Measurements can be shown to the customer to warrant needed service
- Self-test features will assure you are properly testing the fluid
- Uses one AAA battery. Tester includes automatic battery shut-off

SER **66**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE FLUID TESTER

Brake fluid tester determines quality of brake fluid. Easy to use for quick results. Tester automatically powers off after twelve seconds of inactivity to save power. Included color chart, removable cap and battery.

SER **4598**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKEFREE™ BRAKE BLEEDER KIT

BrakeFree™ removes stuck screws and bolts. It vibrates the bleeder screw and can be worked back and forth with a ¾ inch wrench. Extremely effective in removing rusted bleeder screws and no brake technician's toolbox is complete without it.

NOTE: Sockets not included

SER **4001-B**

BRAKE FLUID TEST STRIP KIT

This specialty kit features BrakeStrip® which is a 60-second test that identifies serious brake system problems before they occur thereby ensuring your safety. Uses Motorist Assurance Program (MAP) guidelines for brake fluid tests. Recommended by manufacturers like Bendix and Raybestos. No other brake fluid test finds bad brake fluid as often as BrakeStrip®. Kit includes one tube of 100 strips and 100 color rating cards.

BK **700-2558**

PHOENIX SYSTEMS

BRAKE + COOLANT DOUBLE ENDED TEST STRIPS - 15 TEST STRIPS

Foil wrapped brake and coolant strips, in as little as sixty seconds, gives you clear, repeatable and reliable proof of the level of corrosion in your vehicles brake fluid and the acid plus freeze/boil point of your coolant. Identify potential brake fluid and coolant related problems before they occur, thereby ensuring your safety and fewer breakdowns.

- Quantity of 15 test strips

BK **8006-B**

CARLYLE TOOLS by NAPA

BRAKE THICKNESS GAUGE

Quickly and easily determine the remaining thickness of a vehicle's brake pads without removing any wheel components.

- Color coded scale quickly determines brake pad condition
- Capable for 6 mm backing plate
- 0-11mm

SER **77-2898**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE LINING THICKNESS GAUGE SET

Nine piece manual brake gauge set allows brake pad wear to be accurately and consistently measured without guessing. Designed to check both straight on or at a 90° angle to the rotor with offset tips so the gauges can be used without removing the wheel or caliper assembly on many applications.

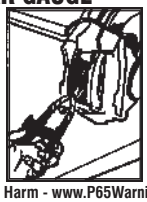
- Color-coded to match SAE or Metric recommendations for brake pad replacement
- 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm

SER **81850**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DISC BRAKE LINING WEAR GAUGE



Gauge measures brake lining remaining on bonded pads in fractions from 1/16" to 5/8" in 1/32" graduations. Tool checks measurement without removing caliper. Tool is patented.

SER **2116**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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Brake Service Tools

CARLYLE TOOLS by NAPA

T-HANDLE SINGLE SPRING BRAKE TOOL

Quickly and easily releases tension on large and small single spring brakes on GM vehicles. The tool design uses the hook to grab the spring while the tool tip is used as a fulcrum to pry the spring free. Can be used to re-install the W spring.

SER **49100**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

BRAKE SPRING TOOL

Removes and installs headlight adjusting and brake springs. Heat-treated alloy construction. Provides easy access to hard to reach areas.

BK **776-8050**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

15 PC. BRAKE SERVICE KIT

Kit works on both disc and drum brake systems. Use to adjust clearance between drum brakes and shoe, remove and install shoe return springs and brake pads.

Item No.	Description	*SER* **41520** 7 Pc. Set
SER **287**	**Drum Brake Adjusting Tool:** Adjusts clearance between drum brake and brake shoe by fitting through backing plate slot and turning the star wheel.	•
SER **298**	**Brake Spring Pliers:** Hook end removes and installs shoe return spring on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor.	•
SER **2774**	**Universal Brake Shoe Retaining Spring Tool:** Removes and installs small and large car drum brake retaining springs sizes $^{5}/_{8}$"-$^{11}/_{16}$" and $^{11}/_{16}$"-$^{7}/_{8}$" diameter.	•
SER **3163**	**Disc Brake Piston Tool:** Use on most domestic and import vehicles to rotate the parking brake activated piston back into the caliper cylinder.	•
SER **3355**	**GM-Ford Disc Brake Piston Tool:** Rotates the piston back on GM and Ford vehicles with rear wheel disc brakes. Fits GM vehicles with 2$^{1}/_{8}$" and 1$^{7}/_{8}$" pistons and Ford vehicles 1987 to current with rear disc brakes. Ford Applications: 1987-current T-Bird, 1988-current Continental, Mark VII, 1990-current Probe, Taurus/Sable, 1991-current Town Car, 1992-current Crown Victoria, Cougar, Grand Marquis.	•
SER **3525**	**Disc Brake Pad Spreader:** Pushes the caliper piston back on disc brakes that do not have the parking brake mechanism as part of the disc brake caliper.	•
SER **3962**	**Brake Lining Thickness Gauge**	•

⚠ **WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.**

EVERCRAFT™

BRAKE RETAINER SPRING REMOVER

Removes snap-ring-style clips used on GM X- and J-body cars. Can also be used on GM's S10/S15 trucks and four-wheel-drive vehicles.

BK **776-9043**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov.**

EVERCRAFT™

2-IN-1 BRAKE SPRING TOOL

Tool removes and installs return spring on Bendix drum brakes. Heat-treated socket end removes spring from anchor stud while notched end installs spring on anchor stud. Plated for rust resistance and easy clean up.

BK **776-9207**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DELUXE BRAKE SPRING TOOL

Features a special ramped spring adapter that saves you time and money by "turning" the springs on drum brake systems off the spring posts making the removal and installation much easier. Also features a retractable spring installer end that allows the spring to slide over the posts and then pop into place when the installer is retracted into the handle.

SER **3841**

CARLYLE TOOLS by NAPA

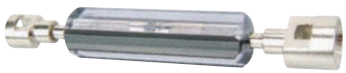
TOYOTA BRAKE SPRING TOOL

- Tip goes through access hole and engages the spring on 2000 and current Tacoma Tundra FJ Cruiser, 4 runner, Land Cruiser and Camry
- Steel shaft with specially designed end to engage cup and spring. Heavy duty handle
- Specially designed tip to engage the shoehold downspring cup on Toyota vehicles

SER **364**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™



UNIVERSAL BRAKE SHOE RETAINING SPRING TOOL

Double-end tool removes and installs small and large car drum brake retaining springs. Tapered tool design fits sizes $^{5}/_{8}$" to $^{11}/_{16}$" and $^{11}/_{16}$" to $^{7}/_{8}$" diameter. Special sockets grip retaining washers. Push and turn to remove or install.

BK **776-9204**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

UNIVERSAL BRAKE SHOE RETAINING SPRING TOOL

Double-ended tool removes and installs drum brake retaining systems on both small and large cars. Tool fits sizes 5/8 to 7/8 inch diameters. Special socket-grip retaining washers. Push and turn to remove or install.

BK **776-9042**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BENDIX DRUM BRAKE SPRING TOOL

Tool removes and installs return spring on Bendix drum brakes. To use, place socket end over spring anchor and twist to remove. Hook notched end through spring and over the post, then lift to install.

SER **280**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

2-IN-1 BRAKE SPRING WASHER TOOL

Tool removes and installs return spring on Bendix drum brakes. Heat treated socket end removes spring from anchor stud while notched end installs spring on anchor stud. Offset design for hard-to-reach areas. Plated for rust resistance and easy clean up.

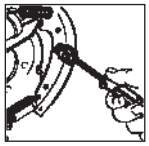
BK **776-9206**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE SHOE RETAINING SPRING TOOL

Tool removes and installs retaining springs 11/16" to 7/8" in diameter. Special socket grips retaining washer. Push and turn to remove or install.



SER **285**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

BRAKE SPRING COMPRESSOR

Removes and installs backing plate springs, cups and pins. Improved tip design grips parts more securely. Heat-resistant handle.

BK **776-9203**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SINGLE SPRING BRAKE TOOL

Releases tension on both large and small single spring brakes during servicing. Many brakes use a heavy single spring. The *SER* **50600** engages the spring and quickly releases the spring tension. The brake can then be disassembled to replace brake shoes, emergency brake cable or service the brake cylinder. Also works on older vehicles with single brake springs.

SER **50600**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

BRAKE SHOE RETURN SPRING PLIERS

Save time and effort removing or replacing extra-heavy, brake shoe return springs! Heavy-duty truck brake spring pliers provide the extra leverage needed for servicing hydraulic, wedge-type, and S-cam air brakes on many trucks and trailers. Mammoth, 26" long size provides the leverage demanded to do the job. Huge jaw opening allows servicing on even the widest brake shoes.

BK **700-2086**

EVERCRAFT

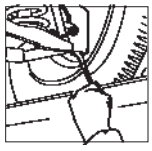
BRAKE SPRING PLIERS

Tool easily removes and installs shoe return springs on most drum brakes. Heat-treated socket end removes spring from anchor stud while notched end installs spring on anchor stud. Plated for rust resistance and easy clean up.

BK **776-9201**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT



BRAKE SPRING PLIERS

Easily installs or removes brake shoe return springs on most drum brakes. Socket end removes spring from anchor stud, and notched end installs spring on anchor. Plated for rust resistance and easy clean up.

BK **776-9039**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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Brake Service Tools

CARLYLE TOOLS by NAPA

DRUM BRAKE ADJUSTING TOOL
Tool adjusts clearance between drum brake and brake shoe. It fits through a slot in the backing plate and turns the star wheel. Ends of tool are offset for hard-to-reach areas on small cars.

SER **295**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

9 IN. BRAKE ADJUSTMENT TOOL
Angled blades for confined areas. Adjusts star-adjuster and screw-adjuster type brakes quickly and easily. Drop forged steel. Chrome-plated to resist corrosion.

BK **776-9208**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

DRUM BRAKE ADJUSTING TOOL
Adjusts the clearance between brake drum and shoe. Used to turn the star wheel on the adjusting screw, which is accessible through slot on backing plate. Drop-forged and plated for long life. Fits many vehicle makes and models.

BK **776-9040**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

DRUM BRAKE ADJUSTING TOOL
Adjusts the clearance between the brake drum and shoe. Use to turn the star wheel on the adjusting screw, which is accessible through the slot on the backing plate. Head is offset for ease in hard-to-reach areas on small cars. Plated.

BK **776-9041**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DRUM BRAKE ADJUSTING TOOL
Designed for adjusting Rockwell automatic slack adjusters. Includes forked-end tool for releasing tensioner button. Double square, offset, $^{5}/_{16}$" reversible wrench features E-Z Grip handle, allowing the user to apply more turning power with less pressure and hand fatigue.

SER **4651**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

OTC

S-CAM AIR BRAKE SLACK ADJUSTER PULLERS
Designed to service all truck and trailer S-cam air brake slack adjusters. Eliminates costly S-cam damage that often occurs with the "heat and beat" removal method. Also enables replacement to be accomplished in a fraction of the usual time. Rugged forcing screw and cast-steel body. Automatic Puller (*BK* **700-2107**) works on Bendix, Gunite, Haldex and Rockwell automatic adjusters.

BK **700-2107**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

SLACK ADJUSTER TOOL
Enables you to quickly check the brake adjustment on class 7 and 8 trucks or trailers with S-cam brakes. Sturdy, four-position handle provides the leverage you need at the proper angle. Works on manual or automatic slack adjusters.

BK **825-5132**

CARLYLE TOOLS by NAPA

DRUM BRAKE ADJUSTING TOOL
Designed for brake adjustment on heavy-duty trucks equipped with Haldex slack adjusters. Features extra long handle and $^{7}/_{16}$" 6-point wheel for added comfort.

SER **7578**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DRUM BRAKE ADJUSTING TOOL
Designed for brake adjustment on heavy-duty trucks equipped with Bendix slack adjusters. Extra-deep $^{9}/_{16}$" hex allows greater reach to recessed adjusters. Simply turn over to reverse. Protective vinyl boot helps keep contaminates out of ratchet mechanism for extended tool life.

SER **8569**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE DRUM & ROTOR PULLER

Adjustable puller features 17" spread and 6" reach. Accommodates most common drum sizes and includes specially designed jaws to maximize surface contact for uniform grip even on deteriorated drums. Alloy steel bar is heat treated to withstand reaction force while remaining compact. Locking sliders ensure fast, simple jaw adjustment and provide support for proper alignment during use. Can be positioned for right- or left-handed users. Weighs less than 7 lbs.

SER **833**

OTC

BRAKE DRUM DOLLY

- Removes, installs, and transports truck brake drums without physically having to lift them
- Works on 15" and 16½" drums found on most Class 7 and 8 tractor and trailer brake systems
- Heavy-gauge steel construction, ten-inch pneumatic tires, and adjustable handle

BK **817-1293**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DISC BRAKE CALIPER WRENCH

Wrench turns ⅜" hex socket cap bolts on some GM disc brake calipers for easy removal and installation. Tool is specially designed for this hard-to-reach area.

SER **2147**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

BRAKE CALIPER WRENCHES

For removal and installation of disc brake caliper mounting bolts on many GM & Ford vehicles. 4" Overall length. S2 bit material for strength and durability.

Item No.	Description
BK **776-9194**	3 Pc. Caliper Wrench Set (¼", 5/16" & ⅜")
BK **776-9198**	¼" Caliper Wrench
BK **776-9199**	⅜" Caliper Wrench
BK **776-9200**	5/16" Caliper Wrench

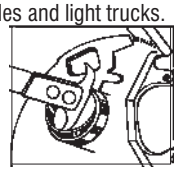
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SEAL PULLER

Use tool to remove oil and grease seals on automobiles and light trucks. Puller has two tip sizes for most applications. To use, insert tip behind seal and use leverage to remove.

CAUTION: Do not use as a striking tool. For intended use only.



SER **3245**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

SEAL PULLER

For removal of oil and grease seals. 2 size tips to fit most applications. To use: insert tip behind seal and use leverage to remove.

BK **776-9235**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

UNIVERSAL SEAL PULLER KIT

Universal seal puller kit includes two sized pullers. Use with ⅜" breaker bar. Pin creates a pivot point on the surface of the seal, thus distributing the force evenly over a larger surface area (when compared to current seal puller design). Greater surface area on hook helps prevent seal puller from piercing through the seal.

SER **1850**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

4 PC. LONG SHANK STAR CALIPER BITS

4" overall length. S2 bit material and CR-V socket material for strength and durability. Includes sizes T-40, T-45, T-47 and T-50.

BK **776-9195**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

4 PC. LONG SHANK HEX CALIPER BITS

4" overall length. S2 bit material and CR-V socket material for strength and durability.

Item No.	Description
BK **776-9196**	Includes sizes 7/32", ¼", 5/16" and ⅜"
BK **776-9197**	Includes sizes 6, 7, 8 & 10mm. Fits most GM & Ford vehicles.

BK **776-9196**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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Brake Service Tools

EVERCRAFT™

3/8 IN. DR. DISC BRAKE CALIPER RECESSED STAR SOCKETS

Internal sleeve on sockets helps maintain correct tool alignment and increase torque. Deep well star sockets feature black oxide finish.

Item No.	Description
BK **776-9230**	3 Pc. Recessed Star Socket Set (T-40, T-45, T-50)
BK **776-9231**	T-40 Recessed Star Socket
BK **776-9232**	T-45 Recessed Star Socket
BK **776-9233**	T-50 Recessed Star Socket

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

4-IN-1 BRAKE PAD SPREADER

- Prevents damage to pistons, hubs or calipers
- Ensures parallel piston retraction on dual and quad piston calipers
- Easy left and right side use
- Designed to retract the toughest caliper pistons
- Single lever mechanism used to apply and release force for ease of operation and faster service

SER **70915**

⚠ **WARNING: This product can expose you to chemicals including ethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DUAL PISTON BRAKE CALIPER COMPRESSOR

Makes replacing dual piston brake pads a cinch! Simply squeeze handle until plunger contacts inboard brake pad. Continue squeezing to compress both pistons simultaneously.

SER **77-4004**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SPEEDY BRAKE PAD SPREADER

Makes replacing brake pads a cinch! Simply squeeze the handle and the fast-acting plunger will compress disc brake pistons in seconds.

SER **77-4003**

⚠ **WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

QUICK QUAD PAD SPREADER

Quick way to spread brake pads and compress disc brake pistons for pad replacement on single, double and quad piston calipers. Simultaneously compress all four pistons on quad piston applications. Can be used while caliper is on the vehicle or hanging free. Makes brake pad replacement a quick and easy job. Fits piston sizes 1, 2 and 4.

SER **29100**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

2-IN-1 UNIVERSAL BRAKE PISTON WIND BACK TOOL

- Specially designed head with 2 pin connectors will work on both 2 pin and 3 pin applications
- Reversible head for rear brake piston and front brake piston applications
- Drive in the end of the tool to work with extensions or ratchets
- Steel construction. 2 sided head for multiple applications. Removable push plate
- Fits Piston Sizes: All 2 pin and 3 pin design pistons as well as most front brake pistons
- Kit Contents: Threaded Drive Shaft, Piston Head, Push Plate, Push Plate Holder
- Product Application: All 2 pin and 3 pin design pistons as well as most front brake pistons

SER **727**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BRAKE PISTON CALIPER TOOL APPLICATOR & PAD

For rear brake caliper kit, this tool works on both domestic and import vehicles.

SER **41541**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

DISC BRAKE PAD SPREADER

Pushes the caliper piston back on disc brakes that do not have the parking brake mechanism as part of the disc brake caliper.

CAUTION: For intended use only.

SER **3376**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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EVERCRAFT

DISC BRAKE PAD SPREADER

For installing brake pads on most passenger cars and light trucks. Compresses the disc brake piston for easy pad installation. Drop-forged, heat-treated steel pad puller, with black oxide finish. Chrome-plated, cold-rolled steel threads with swivel end.

CAUTION: For intended use only!

BK **776-9093**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DISC BRAKE PAD SPREADERS

Works on twin and quad piston calipers and single and twin piston floating calipers. Centrally located ratchet evenly spreads force in a parallel manner to prevent misalignment of pistons. Ratchet technology gives a full 360° swing so that the spreader may be placed at any position.

SER **279**

⚠ **WARNING: This product can expose you to chemicals including Disononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SMALL BRAKE CALIPER PRESS

Works on small and medium single piston brake calipers that are found in subcompact to midsize vehicles.

- Pressure is applied in a parallel manner to evenly distribute force
- Centrally located Acme threaded screw for durability, speed and ease of use
- Size range is .95 to 2.25 inches

SER **277**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

EVERCRAFT

DISC BRAKE PAD SPREADER

Used to compress pistons back into calipers when installing new brake pads on any single or dual sliding type calipers. Swiveling nosepieces reduce the chance of piston cocking. Fine threaded screws for added pressure.

BK **776-8045**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PNEUMATIC BRAKE CALIPER WIND BACK TOOL KIT

- Durable non-impact single piston shaft
- Magnetic base to secure press adapters
- 3/8 in. drive adapter surface
- Protective rubber guard to prevent damage to shaft and caliper
- Center shaft constructed of chrome alloy steel
- O-ring protected shaft to maintain proper pressure
- Left or right wind-back operation

SER **43050**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

PNEUMATIC BRAKE CALIPER WIND BACK TOOL

- Pneumatic wind back tool offers energy-savings on brake calipers
- Pneumatic tool allows right and left-hand rotation

SER **43051**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

OTC

DISC BRAKE CALIPER TOOL KIT

A must-have item when installing new brake pads on vehicles with four-wheel disc brakes. Rotate the tool on the parking brake actuator to retract the piston. Works on most GM vehicles (with 1 1/2" brake pistons), most Ford vehicles, Pontiac Fiero, and imports. Includes plate, 3/8" extension, forcing screw, and adapters.

BK **700-2464**

INDEX

Brake Service Tools

REAR BRAKE CALIPER KIT

Set designed for vehicles with brake pistons that are mechanically tied to the parking brake and require a turning action to push back. Set covers most domestic and import vehicles.

SER **41540**

Contents

Item No.	Description
SER **41541**	Applicator & Pad
SER **41542**	Adapter 0—2 1/2", 1 Pin
SER **41543**	Adapter 2—2", 3 Pin
SER **41544**	Adapter 3—2 1/4", 3 Step
SER **41545**	Adapter 4—1 1/4", 2 Pin
SER **41546**	Adapter 5—1 3/8", 2 Pin 3/8" Drive
SER **41547**	Adapter 6—1 5/8", 2 Pin (L)
SER **41548**	Adapter 7—1 5/8", 2 Pin (S)
SER **41549**	Adapter 8—1 7/8", 1 Pin
SER **41550**	Adapter P—2 1/4", 1 Pin

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DISC BRAKE CALIPER TURN-BACK TOOL

- Fits Multiple rear piston applications
- Allows user to replace large kits with multiple pieces. The 2 side and 3 sided pin sides are fully adjustable
- Has a drive to be used with a ratchet or extension
- 2 sided tool. 1 side has 2 adjustable pins other has 3 pins rotate pistons back in to the caliper of vehicles with self adjusting parking brakes
- Fits a standard 1/4" ratchet or breaker bar

SER **723**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GM/FORD BRAKE PISTON TOOL

Uses 3/8" drive tools. Tool rotates the piston back on GM and Ford vehicles equipped with rear wheel disc brakes. Fits GM with 2 1/8" and 1 7/8" brake pistons. Ford 1987 to current vehicles with rear disc brakes.

BK **776-9241**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DISC BRAKE PISTON TOOL

Designed to rotate the parking-brake-activated piston back into the caliper cylinder when replacing pads on vehicles with four-wheel disc brakes. Zinc-plated tool has six different configurations. For use with 3/8-inch drive tools.

CAUTION: Wear eye protection. Do not use with power tools.

BK **776-9037**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORD CALIPER PIN REMOVER

The damage-free way to remove brake caliper pins on 1988-86 Aerostar, Bronco, E-/F-Series pickup; 1988-83 Ranger; and 1988-84 Bronco II.

BK **700-2475**

S-CAM 18 WHEELER BRAKE TOOL

Offers a more efficient way to change brake shoes on S-Cam drum brake assemblies. Steel shaft has two ends that perform two different tasks. Springs stretch to hold shoes together or position the brake shoes allowing leverage for roller installation. Hooked-end pulls brake shoes apart for easy installation.

SER **36700**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SER **2304**

SERRATED WRENCHES

Install and remove 12-point (triple square) metric socket-head screws by turning with a socket or wrench. Made from heat-treated alloy steel.

Item No.	Size	Hex Size	Length
SER **2304**	8mm	5/16"	3"
SER **2305**	10mm	1/2"	3 1/4"
SER **2306**	12mm	1/2"	3 3/4"

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

UNIVERSAL HYDRAULIC TOOL SET

This kit fabricates Push Connect fittings 1/4", 5/16", and 3/8"; GM Fuel Line Flare, Brake Lines, and Transmission Lines 5/16" and 3/8"; Flare/Double Flare 3/16", 1/4", 5/16", 3/8", and 1/2"; Metric Bubble Flare 4.78, 6, 8, and 10mm. Comes in a custom molded case with quick start reference guide.

Item No.	Description
NTE **78-3200**	Universal Hydraulic Tool Set
NTE **78-3316**	3/16" Adapter for *NTE* **78-3200**

⚠ **WARNING: (*NTE* 78-3200) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

COMBINED DOUBLE/BUBBLE FLARING TOOLS & KIT

- Features complete double and bubble flaring tool assortment, including adapters for forming double flares
- Set contains SAE and Metric bar assembly, yoke assembly, reamer, cutter and flaring tool adapters in sizes 3/16", 1/4", 5/16", 3/8", 1/2", 4.7mm, 6mm, 8mm, and 10mm. Storage case and instructions
- Precisely flares tubing up to 0.040 wall thickness to SAE/Metric 45° flares
- Tough hardened forged-steel construction

Item No.	Description	SER 41880 14 Pc. Set
SER **41594**	5 pc. Flaring Adapter Set	•
SER **41595**	Holding Bar	•
SER **41596**	Universal Yoke	•
SER **3905**	Deburring Tool	•
—	Bubble Flaring Tool Holding Bar	•
—	4 pc. Bubble Flaring Adapter Kit	•
SER **2107**	Cutter	•

CAUTION: Not for use on stainless steel tubing

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DOUBLE FLARING TOOL KIT

- Features complete flaring tool assortment including corresponding adapters for forming double flares
- Set contains SAE bar assembly, yoke assembly, reamer, flaring tool, adapters in sizes 3/16", 1/4", 5/16", 3/8", and 1/2" along with storage case and instructions
- Tough hardened forged-steel construction

CAUTION: Not for use on stainless steel.

SER **41860**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

I.S.O. (BUBBLE) FLARING TOOL KIT

Forms International Standard bubble flare in one fast operation. For 4.75 (3/16"), 6, 8 and 10mm OD tubing. Flares soft double wall steel tubing with a wall thickness to .028". Flares metric hydraulic brake lines used on European, Japanese and domestic automobiles and light trucks. Can also be used on industrial applications where vibration is a problem.

Item No.	Description
SER **3482**	I.S.O. (Bubble) Flaring Tool Kit
SER **3482-1**	Replacement Adapter for 4.75mm (3/16") OD tubing

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TUBING TOOLS & MASTER SERVICE KIT

For tubing service. No other kit does all this: Double Flare, Bend, Cut, Ream, and Deburr.

Item No.	Description	SER 41590 6 Pc. Kit
SER **2107**	Mini Tubing Cutter: 1/8"-5/8" dia. thin-wall steel, plastic, copper and brass	•
BK **776-9219**	Tubing Bender: For 3/16", 1/4", 5/16", and 3/8" copper and steel tubing	•
SER **3905**	Deburring Tool: Cleans flares	•
SER **41594**	Flaring Adapter Kit: For Double Flare 3/16", 1/4", 5/16", 3/8", and 1/2" copper and steel tubing	•
SER **41595**	Holding Bar: Clamps tubing sizes 3/16", 1/4", 5/16", 3/8", and 1/2" and Yoke	•
SER **41596**	Yoke: For Flaring Tool	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SER **BTB6P**

SER **BTB5K**

SER **TC40**

SER **TP3153**

PROFESSIONAL BRAKE LINE TOOLS & KITS

Item No.	Description	SER BTB6P KIT	SER BTB5K KIT
SER **HFT50**	HYDRA-Assist Flaring Tool	•	
SER **RM69**	Brake Tubing Reamer	•	•
SER **FLS330**	Fluid Line Stopper Clamps	•	•
SER **TC60**	Automatic Ratcheting Tubing Cutter	•	•
SER **TC40**	Ratchet-Action Tubing Cutter		
SER **TS14316**	Tubing Straightener & Bending Pliers	•	•
SER **TP3153**	Multi-Size Tubing Bender		
SER **TP14316**	Tubing Pliers	•	•

⚠ **WARNING: (SER HFT50, SER RM69, SER FLS330, SER TC60, SER TC40, SER TS14316, SER TP14316) Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Flaring Tools

CARLYLE TOOLS by NAPA

18 PC. MASTER IN-LINE FLARING TOOL

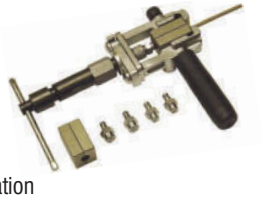
Tool's unique design locks the adapters, cone and tube in a perfect line making perfect factory flares every time with less risk of breaking adapters. Clamp and set screws put pressure directly over the tube reducing the chance of the tube slipping from the clamp and increasing overall clamp life. Slender, low-profile design allows the user to make flares on the vehicle and in tight spaces. Flares can be achieved along frame rails or areas in the engine compartment, eliminating the need to remove components or complete lines to make repairs. Tubing size range: 3/16", 1/4", 5/16", 3/8", 4.75mm, 6mm, and 8mm.

SER **165C**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

HYDRA-ASSIST FLARING TOOLS AND KIT



- Fastest, easiest flaring tool for under the car
- Lightweight and compact for easy operation
- Line sizes 3/16", 1/4" and 4.75mm
- Hydraulic assist T-handle ram
- Quick chuck for fast punch changeover
- S-Look for quick assembly
- Dual handle placement for ease of use
- Use with S.U.R.&R. UltraBEND® stainless steel and steel tubing

Item No.	Description	*SER* **HFT50** Kit
SER **HFT205**	Die: 3/16"/4.75mm – 45° & DIN	•
SER **HFT210**	Die: 1/4" - 45° Op. 1	•
SER **HFT305**	Punch: 3/16"/4.75mm – 45° Op. 1	•
SER **HFT310**	Punch: 1/4" – 45° Op. 1	•
SER **HFT315**	Punch: 3/16"/4.75mm – DIN	•
SER **HFT320**	Punch: 1/4" – DIN	•
SER **HFT325**	Punch: 3/16" / 4.75mm & 1/4" – 45° Op. 2	•
SER **HFT605**	HFT50 Allen Screw	•
SER **HFT610**	HFT50 S-Hook	•
SER **HFT615**	HFT50 Main Body	•
SER **HFT620**	HFT50 Handle	•
SER **HFT625**	Hydra-Assist T-Handle Ram Assembly	•
SER **HFT630**	HFT50 Plastic Carry Case	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

HIGH SPEED SUPER DUTY FLARING TOOLS & KIT

- Produce OEM quality flares in seconds
- Additional tooling available for ½" and 37° flares
- Creates 45° bubble and double flares including DIN
- Cam lever operation provides speed and efficiency
- Use with S.U.R.&R. UltraBEND®, stainless steel and poly-coated lines
- Includes 4 die sets and 7 punches
- Sizes 3/16", 1/4", 5/16", 3/8" and 4.75mm

Item No.	Description	*SER* **FT351** Kit Qty.
SER **FT205**	Die: 3/16" / 4.75 mm – 45°	1
SER **FT210**	Die: 1/4" – 45°	1
SER **FT215**	Die: 5/16" – 45°	1
SER **FT220**	Die: 3/8" – 45°	1
SER **FT225**	Die: 1/2" – 45°	
SER **FT230**	Die: 6 mm – 45°	
SER **FT235**	Die: 8 mm – 45°	
SER **FT240**	Die: 10 mm – 45°	
SER **FT245**	Die: 3/16" / 4.75 mm – 37°	
SER **FT250**	Die: 1/4" – 37°	
SER **FT255**	Die: 5/16" – 37°	
SER **FT260**	Die: 3/8" – 37°	
SER **FT265**	Die: 1/2" – 37°	
SER **FT285**	Die: 3/16" – DIN	1
SER **FT290**	Die: 1/4" - DIN	
SER **FT405**	Punch: 3/16" / 4.75mm – 37° & 45° Op. 1	1
SER **FT410**	Punch: 1/4" / 6mm – 37° & 45° Op. 1	1
SER **FT415**	Punch: 5/16" / 8mm – 37° & 45° Op. 1	1
SER **FT420**	Punch: 3/8" / 10mm – 37° & 45° Op. 1	1
SER **FT425**	Punch: 1/2" – 37° & 45° Op. 1	
SER **FT430**	Punch: 3/16" – DIN	1
SER **FT435**	Punch: 1/4" – DIN	
SER **FT483**	Punch: Tube Stop	1
SER **FT505**	Punch: 3/16"/4.75mm, 1/4" / 6mm – 45° Op. 2	1
SER **FT510**	Punch: 5/16"/8mm, 3/8" / 10mm – 45° Op. 2	1
SER **FT515**	Punch: ½" – 45° Op. 2	
SER **FT520**	Punch: 3/16" / 4.75mm, 1/4" / 6mm – 37° Op. 2	
SER **FT525**	Punch: 5/16" / 8mm, 3/8" / 10mm – 37° Op. 2	
SER **FT530**	Punch: 1/2" – 37° Op. 2	
SER **FT710**	Blank Turret	

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PISTOL GRIP FLARING TOOLS AND KIT

- Compact pistol-grip design for ease of use, perfect for flaring in tight spaces
- Line sizes 3/16", 1/4", 5/16", 3/8" and 4.75mm
- Dual handles for optimal control and positioning
- Use on or off car (including use within vise)
- Heavy duty hydraulic ram with over 6,000 PSI crimping pressure
- Use with S.U.R.&R. UltraBEND®, steel and coated tubing
- Includes 10 punches and 4 dies (5/16" & 3/8" dies grooved for extra grip when used with steel and coated tubing)

Item No.	Description	*SER* PFT409 Kit
Dies		
SER **PFT205**	3/16" / 4.75mm – 45° & DIN	•
SER **PFT210**	1/4" – 45° & DIN	•
SER **PFT215**	5/16" – 45° + DIN	•
SER **PFT220**	3/8" – 45°	•
SER **PFT245**	3/16" / 4.75mm – 37°	
SER **PFT250**	1/4" – 37°	
SER **PFT255**	5/16" – 37°	
SER **PFT260**	3/8" – 37°	
Punches"		
SER **PFT305**	3/16"/4.75 mm – 45° Op. 1	•
SER **PFT310**	1/4"/6 mm – 45° Op. 1	•
SER **PFT315**	5/16"/8mm – 45° Op. 1	•
SER **PFT320**	3/8"/10mm – 45° Op. 1	•
SER **PFT325**	3/16"/4.75mm – 37° Op. 2	
SER **PFT330**	3/16"/4.75mm – DIN	•
SER **PFT225**	1/4" – DIN	•
SER **PFT340**	5/16"/8mm DIN	•
SER **PFT350**	3/16"/4.75mm, 1/4" / 6mm – 45° Op. 2	•
SER **PFT355**	5/16" / 8mm, 3/8" / 10mm – 45° Op. 2	•
SER **PFT383**	OP0	•
Accessories		
SER **PFT610**	PFT409 Toke Set Screw Handle	•
SER **PFT615**	PFT409 Yoke	•
SER **PFT620**	PFT409 Yoke Handle	•
SER **PFT625**	PFT409 Hydraulic Handle	•
SER **PFT630**	PFT409 Case	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FLARING TOOL KIT

Accurately flare seven tubing sizes (3/16, 1/4, 5/16, 3/8, 7/16, 1/2, and 5/8 inch) to SAE 45° flares.

CAUTION: Do not use on steel tubing.

BK **776-9069**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

DOUBLE FLARING TOOL

Easy to use lever lock flaring bar. Floating cone for accurate alignment. Contains flaring bar, yoke, (5) double flare dies in sizes 3/16", 1/4", 5/16", 3/8" & 1/2" O.D.

BK **776-9167**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HYDRAULIC IN-LINE FLARE TOOL KIT

- Works with Double, Bubble and Single Flares.
- In-line design creates even flares.
- Makes doing Single, Double and Bubble flares easy. Hydraulic Piston allows for the tubing to be flared by hand.
- Clamps go directly around tubing, no push through.
- Metric Sizes: 4.75, 6, 8 mm
- SAE Sizes: 3/16", 1/4", 5/16", 3/8"
- Style Name: Single, Double, Bubble Flares

SER **166A**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

AUTOMOTIVE DOUBLE FLARE TOOL

Low-profile design allows for use on the car or off. Designed to be used with ratchet to make flares easier. In-line design makes more accurate flare, and double clap and hex screw design keeps tubing locked tightly in position. Tubing size range: 3/16" and 4.75mm.

SER **161A**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

AGS

FLAREFORCE™ FLARING TOOL

The FlareForce™ is everything you need to ensure professional quality flares every time in the convenience of an all-in-one design. Produce on-the-fly flares with no loose parts and no need for a vise.

- Create high quality single, bubble or inverted flares in seconds
- One-handed operation with trigger control allows flaring on tubing that's already installed
- Self-centers over the tube to provide accurate flares
- Includes black carrying case
- Quick-release allows easy insertion and removal of tubing

SER **FF-1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

FLARING TOOL BENCH MOUNT

- Produce OEM quality flares in seconds
- Permanent mounting for ease of operation
- Low-profile, compact design keep bench free and clear
- Use with S.U.R.&R. *SER* **FT351** High Speed Super Duty Flaring Tool (sold separately)

SER **FT351M**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Tubing Benders & Cutters

CARLYLE TOOLS by NAPA

TUBING BENDER

This hand operated tubing bender is easy to use with one end connected or mounted in a vise. Nylon prevents kinking and flattening. Tubing Size: 3/16" - 3/8".

CAUTION: Do not use on steel.

SER **44000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3/16 IN. TUBING BENDER PLIERS

Bends all types of 3/16-inch tubing, including brake lines, without kinking or flattening. Especially handy for working in tight spaces. Handles are more than 3 1/4 inches apart for proper leverage, even when handling steel tubing. Will not mark tube surfaces.

BK **77-4028**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

PRECISION TUBING BENDER

Bends 3/16", 1/4", 5/16" and 3/8" copper and steel tubing. Two roller sizing adapters included. Forms tubing in tight bends without collapsing.

BK **776-9219**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

TUBING BENDER

Bends 3/16, 1/4, 5/16, and 3/8 inch diameter tubing without kinking. Just place tubing in groove and turn handle to bend. Heavy-duty construction for long service.

BK **776-9001**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

HEAVY-DUTY TUBING BENDER

Heavy duty tubing bender is used to make left, right and offset bends up to 90° in aluminum, copper and stainless steel tubing. Designed for professional auto mechanics and heavy-duty applications. Tubing bender is lightweight for easy handling.

BK **776-8074**

EVERCRAFT

TUBING BENDERS

For copper and brass tubing and brake lines.

Item No.	Description
BK **776-0004**	Bends tubing up to 1/2 in. (13 mm) O.D.
BK **776-0005**	Bends tubing up to 5/16 in. (8 mm) O.D.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

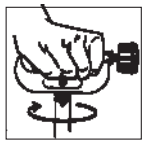
EVERCRAFT

PROFESSIONAL TUBING CUTTER

Highly polished and chrome plated for corrosion resistance these cutters can be used on hard and soft copper, aluminum, brass, thin wall steel & stainless steel lines. Carbide steel wheel cuts to within 1/4 in. from end of tube. 1/8 - 1 1/8 in. O.D. size range.

BK **776-0007**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**



CARLYLE TOOLS by NAPA

TUBING CUTTER

Tool cuts tubing, copper, brass, aluminum and thin wall conduit. Features a 1/8" to 1 1/8" capacity and has a reamer blade to clean off and smooth any sharp edges. Both the cutter wheels and reamer are made of hardened alloy steel.

SER **3457**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

MINI TUBING CUTTER

Cuts thin-wall steel, plastic, copper, and brass tubing from 1/8 to 5/8 inches (3 to 16mm) in diameter. Two rollers provide a burr-free cut, and compact size allows cutter to fit into tight work areas. Strong metal frame and carrier.

BK **776-9000**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

CONSTANT TENSION LARGE TUBING CUTTER

- Spring loaded tension arm to keep tension on the tool and allows for tightening once and cut tubing. No re-tightening necessary
- Bearing for smooth action on turning. Specially designed turn handle
- Replaceable blade
- Adjustable

Material:..... Steel
Size Range:.....3/16" - 7/8"

SER **157**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MICRO CONSTANT TENSION TUBING CUTTER

- Spring loaded tension arm to keep tension on the tool and allow for tighten once and cut tubing. No re-tightening necessary
- Long reach. Bearing driven turn adjustment. Rubberized Grip handle
- Replaceable blade
- Adjustable
- Small size makes it ideal for tight spaces

Material:..... Steel
Size Range:..... 1/8" to 1 1/8"

SER **159**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DOUBLE DEBURRING TOOL

Two-in-one deburring tool
is designed to work on both inside and outside diameters of cut lines to remove burrs when performing secondary operations to tubes.

- Works on soft steel or copper tubing
- Retractable blade for safe storage
- Working size range of 1/8" to 1/2" (3 to 12mm)
- Steel

SER **169**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

NYLON TUBING

S.U.R.& R's nylon fuel line has superior flexibility that allows for easier routing upon installation. Pliability allows for hand insertion with no specialty tools required. Fuel line rated at 200 lbs. and 200°. Higher kink resistance than competitive brands. Made in America.

Item No.	Description
SER **K003**	1/4" O.D., 25' Length
SER **K005**	5/16" O.D., 25' Length
SER **K010**	3/8" O.D., 25' Length

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

S.U.R.&R.

MAX FLEX ALLOY TUBING AUTOMOTIVE FLUID LINES

- Max Flex Alloy Tubing is the ideal solution for easily bending and installing replacement fluid lines.
- Bend by hand, no bending tools required
- Copper-Nickel
- Includes pre-made lines with 2 tube nuts (per line)
- Includes 5 lines (per tube)

Item No.	Description	Line Size	Length
SER **BSCB38**	British Brake Line	3/16"	8"
SER **BSCB312**	British Brake Line	3/16"	12"
SER **BSCB324**	British Brake Line	3/16"	24"
SER **BSCB336**	British Brake Line	3/16"	36"
SER **BSCB348**	British Brake Line	3/16"	48"
SER **BSCB360**	British Brake Line	3/16"	60"
SER **BSCD38**	Domestic Brake Line	3/16"	8"
SER **BSCD312**	Domestic Brake Line	3/16"	12"
SER **BSCD324**	Domestic Brake Line	3/16"	24"
SER **BSCD336**	Domestic Brake Line	3/16"	36"
SER **BSCD348**	Domestic Brake Line	3/16"	48"
SER **BSCD360**	Domestic Brake Line	3/16"	60"
SER **BSCE38**	European Brake Line	3/16"	8"
SER **BSCE312**	European Brake Line	3/16"	12"
SER **BSCE324**	European Brake Line	3/16"	24"
SER **BSCE336**	European Brake Line	3/16"	36"
SER **BSCE348**	European Brake Line	3/16"	48"
SER **BSCE360**	European Brake Line	3/16"	60"
SER **BSCJ38**	Japanese Brake Line	3/16"	8"
SER **BSCJ312**	Japanese Brake Line	3/16"	12"
SER **BSCJ324**	Japanese Brake Line	3/16"	24"
SER **BSCJ336**	Japanese Brake Line	3/16"	36"
SER **BSCJ348**	Japanese Brake Line	3/16"	48"
SER **BSCJ360**	Japanese Brake Line	3/16"	60"
SER **BSCD48**	Domestic Brake Line	1/4"	8"
SER **BSCD412**	Domestic Brake Line	1/4"	12"
SER **BSCD424**	Domestic Brake Line	1/4"	24"
SER **BSCD436**	Domestic Brake Line	1/4"	36"
SER **BSCD448**	Domestic Brake Line	1/4"	48"
SER **BSCD460**	Domestic Brake Line	1/4"	60"
SER **BSCD58**	Domestic Fluid Line	5/16"	8"
SER **BSCD512**	Domestic Fluid Line	5/16"	12"
SER **BSCD524**	Domestic Fluid Line	5/16"	24"
SER **BSCD536**	Domestic Fluid Line	5/16"	36"
SER **BSCD548**	Domestic Fluid Line	5/16"	48"
SER **BSCD560**	Domestic Fluid Line	5/16"	60"
SER **BSCD68**	Domestic Fluid Line	3/8"	8"
SER **BSCD612**	Domestic Fluid Line	3/8"	12"
SER **BSCD624**	Domestic Fluid Line	3/8"	24"
SER **BSCD636**	Domestic Fluid Line	3/8"	36"
SER **BSCD648**	Domestic Fluid Line	3/8"	48"
SER **BSCD660**	Domestic Fluid Line	3/8"	60"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

Brake Lines

BRAKE LINE REPLACEMENT KITS

- Featuring UltraBEND Brake Line tubing which won't rust or corrode and can be easily bent by hand
- Replace multiple lines with one kit

SER **BR-EZ316**

SER **BR-EZ14**

Chart Key
- *SER* **BR-EZ316** Kit Contents
- *SER* **BR-EZ14** Kit Contents

Item No.	Line Size	Description	Kit Qty.	Kit Qty.
Inverted Flare Nuts				
SER **BR105**	3/16"	3/8" – 24	10	
SER **BR135**	3/16"	3/8" – 24 Long	10	
SER **BR145**	3/16"	7/16" - 24	10	
SER **BR150**	3/16"	1/2" - 20	6	
SER **BR155**	3/16"	9/16" - 18	6	
SER **BR157**	3/16'	3/8" – 24 (7/16" Wrench)	10	
SER **BR205**	3/16"	M10 x 1.0 Gold	4	
SER **BR210**	3/16'	M10 x 1.0 Blue (reorder qty. of 4)	6	
SER **BR270**	3/16"	M10 x 1.0 Long	6	
SER **BR1150**	1/4"	7/16" - 24		6
SER **BR1200**	1/4"	7/16" – 24 (9/16" Wrench)		6
SER **BR1400**	1/4"	7/16" – 24 Long		6
SER **BR1600**	1/4"	9/16" - 18		6
SER **BR1650**	1/4"	1/2" – 20		6
Bubble Flare Nuts				
SER **BR170**	3/16"	3/8" – 24	2	
SER **BR230**	3/16"	M10 x 1.0 (Euro, Domestic)	6	
SER **BR235**	3/16"	M11 x 1.5	4	
SER **BR240**	3/16"	M12 x 1.0 (reorder qty. of 4)	4	
SER **BR245**	3/16"	M13 x 1.5	4	
SER **BR250**	3/16"	M10 x 1.0 (VW, Audi)	4	
SER **BR255**	3/16"	M10 x 1.0 (Ford)	6	
SER **BR2200**	1/4"	M12 x 1.0		6
SER **BR230**	1/4"	M13 x 1.5		
SER **BR2500**	1/4"	M14 x 1.5 (GM)		

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Item No.	Line Size	Description	Kit Qty.	Kit Qty.
Adapters				
SER **BR500**	3/16"	3/8" – 24 Inverted Female to M10 x 1.0 Inverted Male	2	
SER **BR505**	3/16"	3/8" – 24 Inverted Female to M10 x 1.0 Bubble Male (reorder qty. of 4)	2	
SER **BR510**	3/16"	M10 x 1.0 Bubble Female to M11 x 1.5 Bubble Male		
SER **BR550**	3/16"	3/8" – 24 Inverted Female to 7/16" – 24 Inverted Male		
SER **BR555**	3/16"	3/8" – 24 Inverted Female to 1/2" – 20 Inverted Male		
SER **BR560**	3/16"	3/8" – 24 Inverted Female to 9/16" – 18 Inverted Male		
Unions				
SER **BR405**	3/16"	3/8" – 24 Inverted Flare	4	
SER **BR435**	3/16"	M10 x 1.0 Inverted Flare (reorder qty. of 4)	2	
SER **BR450**	3/16"	M10 x 1.0 Bubble Flare	2	
SER **BR4100**	1/4"	7/16" – 24 Inverted Flare		4
UltraBEND® Tubing				
SER **BR-EZ100**	3/16"	3/16" UltraBEND Brake Line (25')	25'	
SER **BR-EZ100-50**	3/16"	3/16" UltraBEND Brake Line (50')		
SER **BR-EZ100-100**	3/16"	3/16" UltraBEND Brake Line (100')		
SER **BR-EZ200**	1/4"	1/4" UltraBEND Brake Line (25')		25'
SER **BR-EZ200-50**	1/4"	1/4" UltraBEND Brake Line (50')		
SER **BR-EZ200-100**	1/4"	1/4" UltraBEND Brake Line (100')		
SER **BR-EZ300**	5/16"	5/16" UltraBEND Tubing (25')		
SER **BR-EZ400**	3/8"	3/8" UltraBEND Tubing (25')		

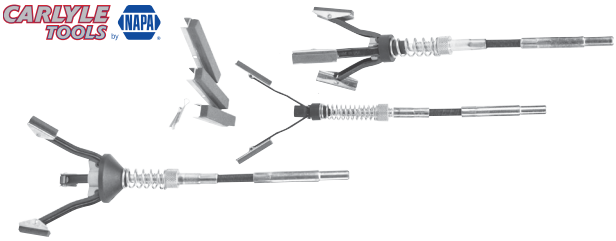
AIR BRAKE REPAIR KIT

- Replace air brake fittings quickly and easily with this convenient kit
- Features push-to-connect composite fittings in 25 popular sizes
- Individual pieces available for reorder
- FMVSS (DOT) and SAE compliant
- Pre-applied thread sealant for easy installation
- Composite body: saves weight, UV resistant, vibration resistant, excellent chemical resistance

Item No.	Size	Description	*SER* **AB25** Kit Qty.
SER **ABM240**	1/4" Tube x 3/8" NPT	Straight Male Connector	1
SER **ABM340**	3/8" Tube x 3/8" NPT	Straight Male Connector	1
SER **ABM320**	3/8" Tube x 1/8" NPT	Straight Male Connector	1
SER **ABM220**	1/4" Tube x 1/8" NPT	Straight Male Connector	1
SER **ABF220**	1/4" Tube x 1/8" NPT	Female	1
SER **ABE240**	1/4" Tube x 3/8" NPT	Male Elbow	1
SER **AB4230**	1/4" Tube x 1/4" NPT	45° Swivel Male Elbow	1
SER **ABT200**	1/4" Tube	Union Tee	1
SER **ABE200**	1/4" Tube	Union Elbow	1
SER **ABE220**	1/4" Tube x 1/8" NPT	Male Elbow (reorder qty. of 2)	2
SER **ABU200**	1/4" Tube	Straight Union	2
SER **ABM330**	3/8" Tube x 1/4" NPT	Straight Male Connector	2

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Item No.	Size	Description	*SER* **AB25** Kit Qty.
SER **ABP300**	3/8" Tube	Plug	1
SER **ABM230**	1/4" Tube x 1/4" NPT	Straight Male Connector	2
SER **ABM550**	5/8" Tube x 1/2" NPT	Straight Male Connector	1
SER **ABE340**	3/8" Tube x 3/8" NPT	Male Elbow (reorder qty. of 2)	1
SER **ABE320**	3/8" Tube x 1/8" NPT	Male Elbow	1
SER **ABT300**	3/8" Tube	Union Tee	1
SER **AB4340**	3/8" Tube x 3/8" NPT	45° Swivel Male Elbow	1
SER **ABE550**	5/8" Tube x 1/2" NPT	Male Elbow	1
SER **ABU300**	3/8" Tube	Straight Union	2
SER **ABT330**	3/8" Tube x 1/4" NPT	Male Run Tee	1
SER **ABE230**	1/4" Tube x 1/4" NPT	Male Elbow	2
SER **ABE330**	3/8" Tube x 1/4" NPT	Male Elbow	2
SER **ABU400**	1/2" Tube	Straight Union	1



ECONOMY BRAKE & ENGINE CYLINDER HONE SET

Multi-purpose set includes three complete hones and one set of 2" stones.

Contents

- Complete hone for brake, master and wheel cylinders 3/4" through 2 1/2" capacity, with 1 1/8" medium-grit stones
- Complete hone for small car brake wheel cylinders 1/2" through 1 3/4" capacity, with two 1 1/8" medium-grit stones
- Complete hone for disc brake caliper honing. 1 1/4" through 3 1/2" capacity, with 3/4" medium-grit stones; also ideal for lawn and garden small-engine cylinder honing when used with three 2" medium-grit stones (included)

Item No.	Description
SER **3029**	Hone Set
SER **3029-75**	Three Replacement 2" Cylinder Hone Stones

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BRAKE CYLINDER HONE

Tool hones drum brake wheel cylinders and disc brake calipers from 1 3/16 to 2 3/4" (21 to 69mm) in diameter. Its sleeve makes insertion in cylinder easy and protects stones when not in use. Use with a variable-speed drill. Use *SER* **2004** Stone Set for disc brake honing and *SER* **266** for drum brake honing.

SER **265**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SER **266**

REPLACEMENT STONES

Stones fit brake cylinder hones *SER* **265**, *SER* **2544** and *SER* **267**.

Item No.	Description	Size	Stone	Qty.
SER **266**	For *SER* **265** and/or *SER* **2544** Drum Brake Cylinder Hone	320	1 1/8"	3
SER **2004**	For Converting 3-Legged *SER* **265** or *SER* **2544** Cylinder Hone to Disc Brake Hone	400	3/4"	3

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2 STONE BRAKE CYLINDER HONE

- Fits 3/4" (19.1mm) to 2 1/4" (57.2mm) cylinders
- Medium Grit stone #220 x 1 1/8" (28.6mm)
- Flex shaft and adjustable tension

Item No.	Description
BK **776-9226**	2 Stone, 3/4" to 2 1/4" Cylinder Hone
BK **776-9224**	3 Pc. Replacement Stone Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3 STONE BRAKE & ENGINE CYLINDER HONE

- Fits 1 1/4" (31.8mm) to 3 1/2" (88.9mm) cylinders
- Medium Grit stones #220 x 2" (50.8mm)
- Flex shaft and adjustable tension

Item No.	Description
BK **776-9221**	3 Stone, 1 1/4" to 3 1/2" Cylinder Hone
BK **776-9222**	3 Pc. Replacement Stone Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3 STONE BRAKE CYLINDER HONE

- Fits 3/4" (19.1mm) to 2 1/2" (63.5mm) cylinders
- Medium Grit stone #220 x 1 1/8" (28.6mm)
- Flex shaft and adjustable tension

Item No.	Description
BK **776-9223**	3 Stone, 3/4" to 2 1/2" Cylinder Hone
BK **776-9224**	3 Pc. Replacement Stone Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEX-HONE® 5 PC. BRAKE CYLINDER HONE KIT

This Flex-Hone® 5-piece brake cylinder kit includes standard sizes for work on compact, medium and large cars. The tool produces an ideal plateau surface finish in just a few, easy strokes.

- Made in USA
- Self-centering, self-aligning and self-compensating for wear
- Can be used in virtually any rotating spindle
- Commonly used for finishing, deburring and edge breaking
- Excellent on mild steel, stainless steel, cast iron and other softer ferrous materials
- BC Kit D includes: 18mm, 20mm, 22mm, 25mm and 29mm diameter tools in 180 grit Silicon Carbide Abrasive.

BK **BCKD**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Brake Cylinder Hones, Hubcap Removal Tools & Wheel Lock Set

FLEX-HONE® CYLINDER HONES - STANDARD DUTY

The small diameter Standard Duty Flex-Hone® works well for finishing and deburring the smaller automotive components such as cam bearing bores, crank bores, brake cylinders, connecting rods and valve guides.

- Made in USA
- Self-centering, self-aligning and self-compensating for wear
- Can be used in virtually any rotating spindle
- Commonly used for finishing, deburring and edge breaking
- Excellent on mild steel, stainless steel, cast iron and other softer ferrous materials..

Item No.	Grit	Cylinder Diameter	Size
BK **BC10M18**	180SC	0.375 – 0.394 in.	.394 in. (10mm)
BK **BC1218**	180SC	0.473 – 0.500 in.	½ in. (12.7mm)
BK **BC5818**	180SC	0.552 – 0.625 in.	5/8 in. (16mm)
BK **BC18M18**	180SC	0.626 – 0.709 in.	.709 in. (18mm)
BK **BC3418**	180SC	0.710 – 0.750 in.	¾ in. (19mm)
BK **BC20M18**	180SC	0.751 – 0.787 in.	.787 in. (20mm)
BK **BC7818**	180SC	0.788 – 0.875 in.	7/8 in. (22mm)
BK **BC7824**	240SC	0.788 – 0.875 in.	7/8 in. (22mm)
BK **BC10018**	180SC	0.939 – 1.000 in.	1 in. (25.4mm)
BK **BC11818**	180SC	1.001 – 1.125 in.	1 1/8 in. (29mm)
BK **BC13818**	180SC	1.251 – 1.375 in.	1 3/8 in. (35mm)
BK **BC11418**	180SC	1.126 – 1.250 in.	1 1/4 in. (31.8mm)
BK **BC11218**	180SC	1.376 – 1.500 in.	1 1/2 in. (38mm)
BK **BC13418**	180SC	1.626 – 1.750 in.	1 3/4 in. (45mm)
BK **BC20018**	180SC	1.876 – 2.00 in.	2 in. (51mm)
BK **BC21218**	180SC	2.376 – 2.500 in.	2 1/2 in. (64mm)
BK **BC30018**	180SC	2.876 – 3.000 in.	3 in. (76mm)

.⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FLEX-HONE® 10 PC. AUTOMOTIVE KIT

The Flex-Hone® Automotive Kit is ideal for a variety of automotive applications such as finishing brake calipers, lifter bores, and u-joint yokes. This kit also includes a free Flex-Hone hat and oil.

- Made in USA
- 180 Grit Silicon Carbide Abrasive
- Can be used in virtually any rotating spindle
- Self-centering, self-aligning and self-compensating for wear
- Excellent on mild steel, stainless steel, cast iron and other softer
- Flex-Hone sizes included: 10mm, 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 1 3/4" and 2"

BK **14353**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

FLEX-HONE® FOR ROTORS

Utilizes Flex-Hone technology to produce the ideal surface finish on automotive and motorcycle disc brake rotors, automotive fly wheels and clutch plates. Eliminate brake noise, lower harmonic vibration and produce a non-directional finish. Ideal for new and re-turned rotors and flywheels.

Item No.	Description
BK **RMFH60Z25**	Coarse – Blend poorly turned rotors, remove corrosion
BK **RMF120Z25**	Medium – Most popular for standard duty applications
BK **RMF240Z25**	Fine – light duty and when appearance is important
BK **RMFHSTRTPK**	10 Pack – Includes: (4) 120 Grit, (3) 60 grit, (3) 240 grit

.⚠ **WARNING: May Cause Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CENTER HUBCAP REMOVAL TOOL

Double-ended pry bar supplies two lengths and fits most vehicles with small plastic, or metal center hubcaps. Ends are dipped in PVC to protect wheel surface from scratching or damage.

SER **77-4024**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

FORD HUB LOCK REMOVER PLIERS

Quickly and easily removes hub lock on four-wheel-drive Ford F-Series Super-Duty pickups without damaging the hub lock cover. Vinyl pads on jaws help grip hub lock and prevent scratching of outer surface.

SER **77-4015**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

16 PC. MASTER WHEEL LOCK SET

- Removes and allows user to install locking lug nuts even when the factory lug key is not available
- This universal wheel locking nut key set handles most factory and aftermarket lug nut locks
- Set is designed to fit a variety of aftermarket lug nuts

SER **75510**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WHEEL STUD INSTALLER

Easily installs new wheel studs with the use of a ratchet or impact wrench to pull the new stud securely in place. Works on most automotive and light-duty wheel studs, import and domestic.

SER **22800**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

4-WHEEL-DRIVE FRONT HUB PULLER

For removal of front hub assembly. Services most 1/2-, 3/4-, and 1-ton GM 2000-88 trucks/SUVs; 2000-94 Dodge Rams; 2000-97 Ford trucks/ Expeditions; and 2001-85 Jeep Cherokees.

BK **700-2453**

CARLYLE TOOLS by NAPA

WHEEL HUB OIL PAN

Catches oil from wheel hubs after removing cap and prevents oil mess during wheel repair. Handle compartments keep hub nuts out of oil. Made of durable polypropylene — will not warp if oil is warm. Fits rims with 13, 3/4-inch I.D. and larger. Capacity: 88 oz.

SER **77-4042**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

PROFESSIONAL SUPER SINGLE AXLE DRAIN PAN

Securely catches oil and grease. Lightweight molded plastic pan locks inside truck and trailer wheels to keep tire and wheel clean when servicing driven or non-driven axles. Fits most steel and aluminum 22.5" and 24.5" 10-hole hub – and stud-piloted tubeless wheels. Allows 2 or 3-hole stud attachment to wheel using finger-tightened lug nuts, will not tip or spill if bumped. 124 oz. capacity with self-draining shelves for hub and axle nut. Drip-proof drainage spouts for easy waste disposal. Flat bottom avoids spillage on workbench or floor. Made In USA.

SPC **30600**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA

DODGE HUB NUT SOCKET

- 6 Pins for an exact factory fit for Dodge applications
- Designed to fit Dodge RAM 1500-5500 models
- Removal and installing Dodge RAM hub nuts

SER **90703**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DODGE HUB TOOL

Uses the force from the vehicle's power steering system to easily free the front wheel hubs, without damaging the hub or other components.

- Designed to remove the front hubs of 3/4-ton (2500) and 1-ton (3500) Dodge trucks
- Reduces the time it takes to complete front-end related jobs such as hub removal, replacing axle shafts,
- U-joint and axle seals

SER **90300**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FORD HUB ADAPTER

- This tool is designed to take of the front hubs found on the F250 and F350 series Ford pickup trucks.
- Soft insert of socket will not damage the studs
- Constructed from high quality steel
- Tire and wheel designed to take of the front hubs faster than conventional ways

SER **90702**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TOYOTA HUB SOCKET

Built with superior quality and designed with input from industry technicians, Carlyle® Tools are affordable, high-performance and dependable, even in the harshest work environments.

- Toyota front hub nut socket is designed to fit lock nuts on 2007 and up 2WD Toyota 4Runners and Tundras, and 2008-2014 Sequoias
- Allows easy removal and installation on front hub locknut without damage to the nut
- 8-Pin design
- Steel

SER **977**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Spindle Nut Wrenches

SER **41670**

TRUCK SPINDLE NUT WRENCHES & SET

Perfect for late model Ford, Dodge, and Toyota trucks. This versatile kit contains seven of the most popular wheel bearing lock nut sockets. Wrenches remove 6- and 8-point spindle nuts on trucks. Turn with 3/4" square drive tool. Depth: 2 7/8" Wall Thickness: 2.00" Overall Length: 3 7/16".

CAUTION: Do not use with power tools.

Item No.	Size	Description	*SER* **41670** 7 Pc. Set
SER **2430**	2 3/32"	Hex	
SER **2431**	2 1/4"	Hex	
SER **2432**	2 3/8"	Hex: For 1984-92 Ford Ranger, Bronco II, & Explorer with automatic locking hubs.	•
SER **2434**	2 3/8"	Rounded Hex (Dana): For 1990 and newer Ford Rangers, Bronco II, and Explorers with automatic locking hubs	•
SER **2435**	2 1/2"	Hex: Fits Hex nuts found on rear axles and various front axles on light-duty trucks.	•
SER **2436**	2 9/16"	Rounded Hex (Dana): For 1990-93 Dodge trucks with Dana 60 manual hubs.	•
SER **2437**	2 9/16"	Hex	
SER **2438**	2 9/16"	Octagon	
SER **2439**	2 5/8"	Hex	
SER **2440**	2 3/4"	Hex	
SER **2441**	2 3/4"	Octagon	
SER **2442**	2 7/8"	Hex	
SER **2444**	3"	Hex	
SER **2445**	3"	Octagon	
SER **2448**	3 1/4"	Hex	
SER **2449**	3 1/4"	Octagon	
SER **2451**	3 1/2"	Hex	
SER **2453**	3 3/4"	Octagon	
SER **2455**	3 13/16"	Octagon: For 1995-96 Ford F-150 trucks and full-sized Broncos with automatic locking hubs.	•
SER **2456**	3 7/8"	Hex: For 3/4- and 1-Ton Ford F250-350 trucks with automatic locking hubs.	•
SER **2457**	3 7/8"	Octagon	
SER **2458**	4"	Hex	
SER **2459**	4 1/8"	Hex	
SER **3912**	55mm	Hex: For front wheel adjusting nuts found on Toyota FJ, LN, and RN models.	•

4-WHEEL-DRIVE SPINDLE NUT WRENCH

Four-lug wrench removes spindle nuts on 4-wheel drive vehicles. It features uniquely designed lugs for maximum strength. Use with 1/2" square drive tool. Will work on Ford vehicles with ratcheting type lock nuts on front axle.

Dimensions

Outer Diameter:.....2.63"
Inner Diameter: .....2.27"
Length: .....3.24"
Inside Depth:.....3.0"

Applications

- 1981-1997 Ford F250-350, Bronco with Dana Axle, or Dana 50IFS or model 60 monobeam axle outer adjusting nut
- 1982-1990 GM Heavy Duty 3/4- and 1-ton trucks

CAUTION: Do not use with power tools.

SER **3246**

4-WHEEL-DRIVE SPINDLE NUT WRENCH

Four-lug wrench removes spindle nuts on 1/2- and 3/4-ton 4-Wheel drive vehicles. It features uniquely designed lugs for maximum strength. Use with 1/2" square drive tool. Will work on Ford Vehicles with ratcheting type lock nuts on front axle.

Dimensions

Outer Diameter:.....2.370"
Inner Diameter: .....2.00"
Length: .....2.94"
Inside Depth:.....2.375"

Applications

- 1959-1980 Ford 1/2- and 3/4-Ton, Bronco
- 1984-Newer Ford Ranger and Bronco II with manual hubs
- 1993-Newer Ford Ranger, Bronco II and Explorer with manual hubs
- 1980-1996 Ford F150, Bronco, F250 and 350 with Dana 44 Axle or ratcheting lock nut
- 1960-1990 GM 1/2-Ton, Full size Blazer/Jimmy
- 1969-89 Dodge 1/2-Ton with manual hubs
- 1990-93 Dodge with Dana 44 Axle with automatic lock hubs

CAUTION: Do not use with power tools.

SER **2467**

4-WHEEL-DRIVE SPINDLE NUT WRENCH

This 6-lug wrench removes spindle nuts on 4-wheel drive vehicles. It features uniquely designed lugs for maximum strength. Use with 1/2" square drive tool.

Dimensions

Outer Diameter:.....2.60"
Inner Diameter: .....2.23"
Length: .....2.94"
Inside Depth:.....2.375"

Applications

- 1973-1981 GM 3/4- and 1-Ton 4WD Trucks
- 1978-1984 Ford F250-350 Trucks
- 1984-1992 Ranger, Bronco with manual hubs
- 1990-1993 Dodge Trucks with Dana 44

CAUTION: Do not use with power tools.

SER **2770**

CARLYLE TOOLS by NAPA

FORD SPINDLE NUT WRENCH

Specially designed wrench removes Ford high-sheer ratcheting lock nut on popular F250/350 series trucks. Special feature includes a centering snout to help locate special axle nut and uniquely designed lugs for maximum strength. Use with 1/2" drive tool.

Dimensions

Outer Diameter Cup:.....2.73"
Inner Diameter Cup: .....2.40"
Length Cup: .....2.0"
Inside Depth Cup:.....1.625"
Tube Outer Diameter:.....1.53"
Tube Inner Diameter: .....1.26"

Applications

- 1985 to current Ford F250-350 with Dana 80 Rear Axle, and 10 1/4" ring gear
- 1987 E350 to current with Dana 80 rear axle and 10 1/4" ring gear
- 1988 to current F Super Duty with Dana 80 rear axle and 10 1/4" ring gear

CAUTION: Do not use with power tools.

SER **3195**

EVERCRAFT

FOUR-WHEEL-DRIVE SPINDLE NUT WRENCH

Six-lug wrench removes spindle nuts on 4WD vehicles. Fits 1998-78 3/4-ton Fords. For use with 1/2 inch drive tools.

CAUTION: Do not use with power tools.

BK **776-9025**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FOUR-WHEEL-DRIVE SPINDLE NUT WRENCH

Four-lug wrench removes spindle nuts on 4WD vehicles. Fits spindle nuts on 1/2-ton Chevy, GMC, Blazer, Ford Bronco/Bronco II/Ranger, and 3/4-ton Fords with spline-type hubs. Also fits IHC 1100 Series and 1/2-ton Dodge vehicles.

CAUTION: Do not use with power tools.

BK **776-9026**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. SPINDLE NUT SOCKET

Fits: Chevy 1/2-ton, GMC, Blazer, Bronco II, Ranger, Explorer. 1/2- and 3/4-ton Ford, spline-type hub, IHC 1100 series and 1/2-ton Dodge vehicles. Will work on Ford vehicles with ratcheting type lock nuts on front axle.

CAUTION: Do not use with power tools.

BK **776-9027**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. 2 LUG SPINDLE NUT WRENCH

For use on 1995-88 Isuzu pickups, Trooper, Amigo, and Rodeo 1989-85 Honda Passport, Jeep J-20 vehicles with Dana 60 axle.

CAUTION: Do not use with power tools.

BK **776-9179**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. 4 LUG SPINDLE NUT WRENCH

Fits 1982-1990 3/4- & 1-ton GM heavy duty trucks, 1985 to current 1/2-ton Ford F-Series and full size Bronco with DANA 28 front axle, 1985-1/2 to current Ford F-250 heavy duty truck, 1985-1/2 to current Ford F-250 4X4, DANA 50 IFS and Model 60 monobeam outer adjusting nut.

CAUTION: Do not use with power tools.

BK **776-9180**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. TOYOTA LOCKNUT TOOL

For use on 1995-current Toyota Tacoma and 1996 to current T100 and 4Runners.

- Four pin design for quick and easy removal
- Removes locknuts from vehicles with new design front wheel bearings
- For use with 1/2" drive tools
- Heavy-duty chrome moly alloy steel construction

BK **776-9171**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. LOCK NUT SOCKETS

Rounded hex locknut socket is designed to remove and install axle nuts on specific vehicles.

Item No.	Description
BK **776-0013**	2 3/8 In. Rounded Hex
BK **776-0014**	2 1/2 In. Rounded Hex
BK **776-0015**	55mm Standard

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

6 PT. WHEEL BEARING LOCK NUT SOCKETS & SET

Forged from CR-V alloy steel for maximum strength. For installation and removal of locknuts. Use with 1/2" dr. ratchet or breaker bar.

Item No.	Description	*BK* **776-9138 7 Pc. Set**
BK **776-9131**	2 3/8", Hex	•
BK **776-9132**	2 3/8", Rounded Hex	•
BK **776-9133**	2 1/2", Hex	•
BK **776-9134**	2 1/2", Rounded Hex	•
BK **776-9135**	2 9/16", Rounded Hex	•
BK **776-9136**	2 3/4", Rounded Hex	•
BK **776-9137**	55mm, Hex	•

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Spindle Nut Wrenches

EVERCRAFT

9 PC. 1/2 IN. AXLE NUT IMPACT SOCKET SET

This performance set is made from heavy duty Chrome Moly steel and features an extra long 6-point design. For removal or installation of axle nuts. Spindle nut socket sizes: 29, 30, 31, 32, 33, 34, 35, 36, 38-mm. Includes convenient blow molded storage case.

BK **776-9034**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. AXLE NUT IMPACT SOCKETS

Item No.	Size	Description
BK **776-9173**	29mm	For use on late model GM and Ford Escort and Fiesta 1985-current vehicles.
BK **776-9172**	31mm	For use on Honda vehicles.
BK **776-9175**	33mm	For use on GM and Chrysler vehicles.
BK **776-9174**	35mm	For use on late model GM vehicles.
BK **776-9187**	38mm	For use on late model Ford and GM full-size & SUV vehicles

BK **776-9173**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

FRONT-WHEEL-DRIVE AXLE NUT IMPACT SOCKETS

Designed for use on front-wheel-drive spindle nuts. Length: 3 1/2 inches.

Item No.	Size
BK **776-9021**	32mm
BK **776-9022**	36mm
BK **776-9023**	30mm
BK **776-9024**	34mm

BK **776-9021**

EVERCRAFT

1/2 IN. DR. 12 PT. AXLE NUT IMPACT SOCKETS

Constructed of chrome molybdenum for added strength these sockets are designed to withstand a standard air impact tool. Also fits both the special 12 and 6 point axle nuts.

Item No.	Size
BK **776-0009**	30mm
BK **776-0008**	32mm
BK **776-0010**	34mm
BK **776-0011**	36mm

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

1/2 IN. DR. DODGE SPINDLE NUT SOCKET

6 pt. design for use on 1994 and newer Dodge 1/2-ton 4x4 pickups with Dana 44 front axle with vacuum disconnect front axle.

BK **776-9186**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

4-WHEEL-DRIVE SPINDLE PULLER

Removes front spindle to access needle bearing when lubricating and aligning front wheels. 5/8"-18 fine thread permits use with slide hammer. Fits spindle thread sizes 2"-16, 1 5/8"-16, and 38mm-1.5 Applications: Full-size GM, Ford, Jeep and International pickups with Dana front axles, plus Ranger and Bronco II.

SER **3910**

EVERCRAFT

4-WHEEL-DRIVE SPINDLE NUT REMOVER

Removes spindle from housing on most common 1/2-ton & 3/4-ton 4WD trucks. 3-step design fits 1 1/2", 1 5/8" and 2" spindles. Use with 1/2" - 20 and 5/8" - 18 threaded slide hammers.

BK **776-9181**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TOYOTA LOCK NUT TOOL

Services high-torque lock nuts on Toyota 4WD vehicles having free-wheel (lock-out) hubs; 1995-newer Tacoma; 1996-newer T100 and 4Runner.

SER **3911**

CARLYLE TOOLS by NAPA

4-LUG 4-WHEEL-DRIVE SPINDLE NUT SOCKET

1/2-ton Dana 50: Remove and install 4-slot front axle locknuts on 1981-97 Ford F250-350, Bronco with Dana Axle, or Dana 50IFS or model 60 monobeam axle outer adjusting nut; 1982-90 GM Heavy Duty 3/4- and 1-ton trucks.

SER **3937**

EVERCRAFT

1/2 IN. DR. AXLE SPINDLE NUT IMPACT SOCKET

Chrome-moly construction. The 39mm, 12-point size fits Toyota trucks, SUVs and others.

BK **776-8052**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OTC

AXLE STUD CONE PLIERS

Easily remove the tapered cone from studs used on medium and heavy-duty truck rear axles. Specially designed plier gives the leverage needed to expand the cone and remove it from the stud for axle removal.

BK **700-2248**

CARLYLE TOOLS by NAPA

MASTER AXLE SPINDLE RETHREADING DIES & KIT

12-piece thread restoring die set for proper repair or renewal of damaged threads in stub axles/spindles on most vehicles (refer to automotive manuals for correct size for applications). Rethreading dies are made from high tempered steel for strength and durability and are hex-shaped for use with a socket or wrench (not for use with impact gun.) Dies will remove nicks and burrs in existing threads and are intended for "chasing" - not cutting new threads. Dies are packaged in a plastic case and include the following 12 most popular sizes: 3/4"-16, 3/4"-20, 13/16"-20, 27/32"-20, M16 x 1, M16 x 1.5, M20 x 1, M20 x 1.5, M22 x 1.5, M24 x 1.5, M24 x 2, M27 x 2.

Item No.	Description	*SER* **3481** 12 Pc. Kit
SER **3481-1**	3/4"-16 Repl. Rethreading Die	•
SER **3481-2**	3/4"-20 Repl. Rethreading Die	•
SER **3481-3**	13/16"-20 Repl. Rethreading Die	•
—	27/32"-20 Repl. Rethreading Die	•
—	M16 x 1 Repl. Rethreading Die	•
SER **3481-6**	M16 x 1.5 Repl. Rethreading Die	•
SER **3481-7**	M20 x 1 Repl. Rethreading Die	•
SER **3481-8**	M20 x 1.5 Repl. Rethreading Die	•
SER **3481-9**	M22 x 1.5 Repl. Rethreading Die	•
SER **3481-10**	M24 x 1.5 Repl. Rethreading Die	•
SER **3481-11**	M24 x 2 Repl. Rethreading Die	•
—	M27 x 2 Repl. Rethreading Die	•

⚠ **WARNING: (*SER* 3481, *SER* 3481-1, *SER* 3481-2, *SER* 3481-3, *SER* 3481-6, *SER* 3481-7, *SER* 3481-8, *SER* 3481-9, *SER* 3481-10, *SER* 3481-11) This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

BEARING RACE & SEAL KIT

This kit allows you to install tapered bearing races and seals without damage to the component or housing. Includes a driver handle plus nine popular bearing and seal drivers in sizes 1.565", 1.750", 1.961", 2.325", 2.470", 2.555", 2.830", 2.995" and 3.180".

SER **41630**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

HEAVY-DUTY BEARING RACE & SEAL DRIVER SET

Fits most Class 8 over-the-road trucks and trailers and some medium-duty trucks. Use the tapered driver side for bearing races and the flat side for seals. Includes six drivers and handle extension for driving bearing races and seals on hubs with deep brake drums without removing the drums. Contains: Drivers: 43/64", 47/8", 413/16", 51/2", 525/32", and 6", Handle Extension and Case.

SER **61900**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

BEARING RACE INSTALLATION KIT

This 10 piece kit is used to install most standard wheel bearing races. Includes a driver handle plus 9 popular bearing and seal drivers ranging from 1.565" to 3.18". Comes in a durable molded plastic storage/carrying case. Designed for professional auto mechanics and heavy-duty applications. Includes instructions and part diagram.

BK **776-8079**

CARLYLE TOOLS by NAPA

SER **3455**

WHEEL BEARING LOCK NUT SOCKETS

Tools are used to remove and install the special rounded hex nut found on 1995 and newer Ford F-series and full-size Bronco 4WD trucks with automatic locking hubs. The *SER* **3455** fits Ford F-150 and full-size Bronco 4WD trucks and features a thin wall design that provides for easy access. The *SER* **3456** fits Ford F-150 and F-350 4WD trucks with automatic locking hubs.

Item No.	Description
SER **3455**	21/2"
SER **3456**	23/4"

Abrasive Wheels 870-874, 914-916
Acid Brushes 879
Bolt & Screw Extractors 936-940
Bolt Cutters 947-948
Drill Bits 917-922
Files 945-946
Flameless Torches 907-909
Grinding Points 875
Hacksaws 949
MIG Wire 866, 904
Oxy-Acetylene Torch & Accessories 867-869, 895-889
Plasma Cutting 858, 890-892
Propane Torches 879
Pullers, Picks & Hooks 947
Punches & Chisels 941-944
Snips 948-949
Solder & Flux 879
Soldering Irons 910-911, 914
Step Drill Bits 922-923
Tap & Die 925-935
Torches 912-913
Welders & Accessories 858-866, 883-884, 893-904, 906
Welding Electrodes 864-865, 901-903
Welding Protection 880-883, 904-906
Wire Brushes 875-878

20 P PLASMA CUTTER

120VAC, 20A outlet, 30A breaker recommended
Cutting Capacity: 3/16" Aluminum, 1/4" Mild Steel
Air Compressor Required (2.0 CFM)
Inverter Technology: For smooth power and lighter weight

Process:
- Plasma Cutting

Comes Complete With:
- 20 P Plasma Cutter
- 13' Plasma Torch
- 8' Ground Cable & Clamp
- 6' Power Cable
- 15A – 20A Adapter
- Spare Consumables

FNY **251**

40 P PLASMA CUTTER

Dual-Voltage: Operates on 120V and 240V input power
Cutting Capacity: 3/8" Aluminum 5/8" Mild and Stainless Steel
Temperature Controlled Fan: Helps reduce dust particles from entering machine, cuts down on noise and saves money on energy
Air Compressor Required (5.5 CFM)
Inverter Technology: For smooth power and lighter weight

Process:
- Plasma Cutting

Comes Complete With:
- 40 P Plasma Cutter
- 20' IPT 40 Plasma Torch
- 15' Ground Cable & Clamp
- 230V - 120V Adapter
- 15' Power Cable
- Spare Consumables
- Forney Expert-Tech™ Tool

FNY **440**

Item No.	Input Amp @60Hz	Cut Capacity	Air Req.		Dimensions		Weight	Output Range	Duty Cycle
			SCFM	L/Min	Length	15 1/8"			
FNY **251**	120V @ 20A	1/4" Mild/SS 3/16" Aluminum	2	57	Width	8 1/8"	21.5 lbs.	10-20A	35% @ 20A
			@ 90 PSI (6.2bar)		Height	12"			
			SCFM	L/Min	Length	17"			
FNY **440**	120V @ 18.5A 230V @ 25.5A	1/2" Mild/SS 3/8" Aluminum	5.5	156	Width	7 1/2"	30 lbs.	120V: 15 - 16A 240V: 15 - 40A	120V - 35% @ 20A 240V - 50% @ 40A
			@ 90 PSI (6.2bar)		Height	12 1/2"			

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

140 FC-I FLUX-CORE WIRE WELDER

120VAC, 20A outlet, 30A breaker recommended
Inverter Technology: For smooth power and lighter weight
Infinite Controls: For fine tuning each and every weld

Process:
- Flux-Core (FCAW)

Comes Complete With:
- 140 FC-i Welder
- 8' MIG Torch
- 6' Power Cable
- 8' Ground Cable & Clamp
- 15A – 20A Adapter
- Spare Consumables

FNY **261**

140 MIG WELDER

120VAC, 20A outlet, 30A breaker recommended
Transformer Welder: Durable and robust, the perfect long-lasting welder choice
Euro Torch Connection: Allows for quick torch attachment and removal, ensuring a proper torch alignment each and every time the torch is connected

Process:
- MIG (GMAW)
- Flux-Core (FCAW)

Comes Complete With:
- 140 MIG Welder
- 10' 150A MIG Torch
- 10' Ground Cable & Clamp
- Regulator w/ Hose
- 15' Power Cable
- Spare Consumables

FNY **309**

Item No.	Input Amp @60Hz	Cut Capacity	Wire Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
				Length	16 3/4"			
FNY **261**	120V @ 20A	1/4"	Flux-Core: .030"	Width	8 1/8"	19 lbs.	30-140A	30% @ 90A
				Height	12"			
				Length	19"			
FNY **309**	120V @ 20A	1/4"	Solid Wire: .023" - .030" Flux-Core: .030"	Width	9 1/2"	57 lbs.	30-140A	20% @ 115A
				Height	16 1/2"			

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

190 MIG WELDER

Operates on 230V input power
Euro Torch Connection: Allows for quick torch attachment and removal, ensuring a proper torch alignment each and every time the torch is connected
Transformer Welder: Durable and robust, the perfect long-lasting welder choice

Process:
- MIG (GMAW)
- Flux-Core (FCAW)

Comes Complete With:
- 190 MIG Welder
- 10' 180A MIG Torch
- 15' Power Cable
- 10' Ground Cable & Clamp
- Regulator w/ Hose
- Spare Consumables

FNY **318**

210 MIG WELDER

Operates on 230V input power
Euro Torch Connection: Allows for quick torch attachment and removal, ensuring a proper torch alignment each and every time the torch is connected
Transformer Welder: Durable and robust, the perfect long-lasting welder choice

Process:
- MIG (GMAW)
- Flux-Core (FCAW)

Comes Complete With:
- 210 MIG Welder
- 12' 200A MIG Torch
- Ground Cable & Clamp
- Regulator w/ Hose
- 15' Power Cable
- Spare Consumables

FNY **311**

Item No.	Input Amp @60Hz	Cut Capacity	Wire Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
FNY **318**	230V @ 22.5A	3/8"	Solid Wire: .023" - .030" Flux-Core: .030" - .035"	Length Width Height	19" 9 1/2" 12"	63 lbs.	35-190A	25% @ 120A
FNY **311**	230V @ 36A	3/8"	Solid Wire: .023" - .035" Flux-Core: .030" - .035"	Length Width Height	19" 9 1/2" 16 1/2"	78 lbs.	30-210A	25% @ 130A

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

242 DUAL MIG WELDER

Operates on 230V input power
Euro Torch Connection: Allows for quick torch attachment and removal, ensuring a proper torch alignment each and every time the torch is connected
Transformer Welder: Durable and robust, the perfect long-lasting welder choice
Dual Torch Connections: Switching between the MIG gun and the Spool gun is as easy as flipping a switch

Spot Timer: For simple and consistent spot welding. Spot timer makes each spot weld the same consistent size
2T/4T Trigger: Locking trigger allows user more 4T comfort during long welds

Process:
- MIG (GMAW)
- Flux-Core (FCAW)

Comes Complete With:
- 242 MIG Welder
- 15' 250A MIG Torch
- 15' Power Cable
- 15' Ground Cable & Clamp
- Regulator w/ Hose
- Spare Consumables

FNY **327**

270 MIG WELDER

Operates on 230V input power
Euro Torch Connection: Allows for quick torch attachment and removal, ensuring a proper torch alignment each and every time the torch is connected
Transformer Welder: Durable and robust, the perfect long-lasting welder choice

Spot Timer: For simple and consistent spot welding. Spot timer makes each spot weld the same consistent size
2T/4T Trigger: Locking trigger allows user more 4T comfort during long welds

Process:
- MIG (GMAW)
- Flux-Core (FCAW)

Comes Complete With:
- 270 MIG Welder
- 15' 250A MIG Torch
- 15' Power Cable
- 15' Ground Cable & Clamp
- Regulator w/ Hose
- Spare Consumables

FNY **319**

Item No.	Input Amp @60Hz	Cut Capacity	Wire Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
FNY **327**	230V @ 35A	3/8"	Solid Wire: .023" - .035" Flux-Core: .030" - .045"	Length Width Height	38" 14" 34"	213 lbs.	20-240A	60% @ 155A
FNY **319**	230V @ 45A	1/2"	Solid Wire: .023"-.035" Flux-Core: .030"-.045"	Length Width Height	38" 14" 34"	240 lbs.	30-270A	60% @ 200A

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Welders

FNY **420**

FNY **421**

220 AC/DC WELDER

Dual-Voltage: Operates on 120V and 240V input power
Temperature Controlled Fan: Helps reduce dust particles from entering machine, cuts down on noise and saves money on energy
Pulse Welding Capable: Pulses from .1 to 30 pulses per-second,which helps control penetration - heat/warping
AC Frequency Control: Allows you to control your penetration and bead profile while welding aluminum AC Balance Control: Allows you to control the amount of oxide removal required for high quality aluminum welds
Inverter Technology: For smooth power and lighter weight

Forney 3 YEAR

Process:
- Stick (SMAW)
- AC TIG (AC-GTAW)
- DC TIG (DC-GTAW)

Comes Complete With:
- 220 AC/DC Welder
- 15' Electrode Holder w/Cable & Connector
- 15' Ground Clamp w/Cable & Connector
- 15' Power Cable
- Flow Meter Regulator w/ Hose
- 120V to 240V Adapter
- Spare Consumables
- Forney Expert-Tech™ Tool

FNY **420** - Forney® 220 AC/DC includes 7 Pin Foot Pedal & 17F TIG Torch 12.5'

FNY **421** - Forney® 220 AC/DC includes TIG torch with hand amp controls

Item No.	Input Amp @60Hz	Welding Thickness Capacity	Electrode Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
FNY **420** *FNY* **421**	120V @ 28.6A 240V @ 32A	1/2" Mild / Stainless Steel 1/4" Aluminum	Stick: 1/16" - 5/32" TIG: .040" - 1/8"	Length Width Height	23 1/4" 10 3/8" 15 1/2"	54 lbs.	5-220A	Stick: 120V - 25% @ 80A 240V - 25% @ 170A TIG: 120V - 25% @ 130A (DC) 120V - 25% @ 120A (AC) 240V - 25% @ 200A

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

220 ST PRO WELDER

Dual-Voltage: Operates on 120V and 240V input power
Temperature Controlled Fan: Helps reduce dust particles from entering machine, cuts down on noise and saves money on energy
Pulse Welding Capable: Pulses from .1 to 30 pulses per-second,which helps control penetration - heat/warping

Forney 3 YEAR

Arc Force Control: Helps control the amount of dig or wetting based on the type of electrode you're welding with
Inverter Technology: For smooth power and lighter weight

Processes:
- Stick (SMAW)
- DC TIG (DC-GTAW)

Comes Complete With:
- 220 ST PRO Welder
- 15' Ground Cable & Clamp
- 15' Electrode Holder & Cable
- 15' Power Cable
- Forney Expert-Tech™ Tool

FNY **430**

100 ST WELDER

120VAC, 20A outlet, 30A breaker recommended
Easy Start: Makes electrode strikes smooth with additional power at start
DC Stick & TIG Welder: Great for stick welding and DC scratch start TIG welding of mild and stainless steel
Inverter Technology: For smooth power and lighter weight

Forney EASY WELD® 1 YEAR

Processes:
- Stick (SMAW)
- DC TIG (DC-GTAW)

Comes Complete With:
- 100 ST Welder
- 8' Ground Cable & Clamp
- 8' Electrode Holder & Cable
- 6' Power Cable

FNY **298**

FNY **29801** Kit Available:
- 100 ST Machine
- 3/32" E7014 M.S. Electrodes, 1lb
- Cowhide Leather Driver Gloves
- Black Leather Welding Glove (L)
- Scratch Brush
- 4 1/2" T27 Grinding Wheel
- ADF Welding Helmet

Item No.	Input Amp @60Hz	Welding Thickness Capacity	Electrode Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
FNY **430**	120V @ 21.4A 240V @ 28.2A	1/2" Mild / Stainless Steel	Stick: 1/16" - 5/32" TIG: .040" - 1/8"	Length Width Height	18" 7 3/8" 12 3/8"	32 lbs.	5-220A	Stick: 120V - 40% @ 85A 240V - 35% @ 200A TIG: 120V - 40% @ 130A 240V - 35% @ 200A
FNY **298**	120V @ 25A	16 ga. - 5/16"	Mild / Stainless Steel: 1/8"	Length Width Height	12" 5 1/2" 10 1/2"	9.65 lbs.	10-90A	Stick: 40% @ 80A TIG: 30% @ 85A

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

180 ST WELDER

Dual-Voltage: Operates on 120V and 240V input power
Easy Start: Makes electrode strikes smooth with additional power at start
DC Stick & TIG Welder: Great for stick welding and DC scratch start TIG welding of mild and stainless steel
Inverter Technology: For smooth power and lighter weight
Processes:
- Stick (SMAW)
- DC TIG (DC-GTAW)

Comes Complete With:
- 180 ST Welder
- 8' Ground Cable & Clamp
- 8' Electrode Holder & Cable
- 230V to 120V Adapter
- 6' Power Cable

FNY **291**

235 AC/DC WELDER

Operates on 230V input power
Transformer Welder: Durable and robust, the perfect long-lasting welder choice
Powerful: Up to 235 Amps AC and 185 Amps DC
Infinite Controls: The hand crank makes adjustments simple
Processes:
- Stick (SMAW)
- DC TIG (DC-GTAW)

Ready to Weld, right out of the box!
FNY **314**

Item No.	Input Amp @60Hz	Welding Thickness Capacity	Electrode Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
FNY **291**	120V @ 17A 240V @ 33A	120V: 1/4" 240V: 1/2"	Stick Electrodes & TIG Filler Mild Steel, Stainless Steel, Cast Iron 1/16" - 5/32" 120V: 1/8", 240V: 5/32"	Length Width Height	14 1/8" 6 5/16" 11"	14 lbs.	10-180A	120V - 30% @ 80A 240V - 25% @ 180A
FNY **314**	230V @ 48.5A	12 ga. - 1/2"	Stick Electrodes Mild Steel, Stainless Steel, Cast Iron 1/16" - 5/32"	Length Width Height	16 1/2" 12" 30 1/2"	108 lbs.	AC - 40 - 235A DC - 35A - 185A	AC-50% @ 150A DC-35% @ 135A

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

140 MP WELDER

120VAC, 20A outlet, 30A breaker recommended
Easy Start: Makes electrode strikes smooth with additional power at start
DC Stick & TIG Welder: Great for stick welding and DC scratch start TIG welding of mild and stainless steel
MIG Welder: With the power to weld .030" solid wire or .030" flux-core wire
Inverter Technology: For smooth power and lighter weight
Processes:
- MIG (GMAW)
- Flux-Core (FCAW)
- Stick (SMAW)
- DC TIG (DC-GTAW)

Comes Complete With:
- 140 MP Welder
- 10' 150A MIG Torch
- 10' Ground Cable & Clamp
- 10' Electrode Holder & Cable
- 6' Power Cable

FNY **271**

220 MP WELDER

Dual-Voltage: Operates on 120V and 240V input power
Temperature Controlled Fan: Helps reduce dust particles from entering machine, cuts down on noise and saves money on energy
Easy Start: Makes electrode strikes smooth with additional power at start
MIG Welder: With the power to weld .023" to .035" solid wire or .030" to .035" flux-core wire
DC Stick & TIG Welder: Great for stick welding and DC scratch start TIG welding of mild and stainless steel
Inverter Technology: For smooth power and lighter weight
Processes:
- MIG (GMAW)
- Flux-Core (FCAW)
- Stick (SMAW)
- DC TIG (DC-GTAW)

Comes Complete With:
- 220 MP Welder
- 12' 200A Pro-Grip MIG Gun
- 15' Ground Cable & Clamp
- 15' Electrode Holder & Cable
- Flow Meter Regulator w/Hose
- 240V to 120V Adapter
- 15' Power Cable
- Forney Expert-Tech™ Tool

FNY **410**

Item No.	Input Amp @60Hz	Welding Thickness Capacity	Wire / Electrode Diameter & Types	Dimensions		Weight	Output Range	Duty Cycle
FNY **271**	120V @ 25A	1/4"	Wire: .023"-.030" Flux-Core: .030" Stick: 1/16" - 1/8"	Length Width Height	16 3/4" 8 1/8" 12"	20.3 lbs.	30-120A	Stick: 30% @ 80A TIG: 20% @ 110A MIG: 30% @ 90A
FNY **410**	120V @ 25.4A 240V @ 3A	Wire: 3/8" Stick: 1/2" TIG: 3/16"	Solid Wire: .023" - .035" (0.6mm-0.9mm) Flux-Core: .030" - .035" (0.8mm-0.9mm) Stick: 1/16" - 5/32" (1.6mm -4.0mm)	Length Width Height	23 1/2" 11" 15 1/2"	51 lbs.	10 - 220A	Stick: 120V - 32% @ 80A 240V - 40% @ 200A TIG: 120V - 35% @ 110A 240V - 40% @ 200A MIG: 120V - 35% @ 90A 240V - 40% @ 200A

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Forney®

SPOOL GUN FOR FORNEY® MULTI-PROCESS WELDERS

- TWECO® 1 compatible with 20' cable and Euro-connect
- Fits Forney® *FNY* **322**, *FNY* **311**, *FNY* **410** & *FNY* **324** (140 MP, 210 MIG. 220 MP & 190 MP)

FNY **85653**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

SPOOL GUN FOR FORNEY® 270 & 242 MIG WELDER

- TWECO® 1 compatible with wire feed adjust handle and 20' cable with Euro-connect
- Fits Forney® *FNY* **319** (270 MIG). This can also be used on *FNY* **327** (242 Dual-MIG)

FNY **85651**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TWECO® STYLE 11 SERIES CONTACT TIPS

Suitable For Forney® 140-FC-i-EW, 140 MP-EW, 140 MIG, 190 MIG, 190 MP, 140 MP

Item No.	Dia.	# in Pkg
FNY **60170**	.023"	4
FNY **60171**	.030"	4
FNY **60172**	.035"	4

FNY **60170**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

TWECO® STYLE NOZZLE

Suitable For Forney® 140 MIG, 190 MIG, 140 MP, 190 MP

Item No.	Dia.	# in Pkg
FNY **85336**	1/2"	1

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

9FV COMPATIBLE TIG TORCH

Air-cooled, single piece flex-head TIG torch with valve on handle. 125 Amp capacity. Electrode range: .020-3/32" (0.5-2.4mm). 25 dinse connection. Compatible with 200 Amp or lower machines with a size 25 dinse connection.

Includes:

- 12.5' torch with 3/32" collet and tungsten electrode
- Size #6 nozzle
- 5/8" connector
- 36" gas hose
- Fits Forney® *FNY* **298**

FNY **85657**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

17FV COMPATIBLE TIG TORCH

Air-cooled, single piece flex-head TIG torch with valve on handle. 150 Amp capacity. Electrode range: .020 - 3/32". 50 dinse connection. Compatible with 200 Amp or lower machines with a size 50 dinse connection.

Includes:

- 12.5' torch with 1/8" collet and tungsten electrode
- Size #7 nozzle
- 5/8" connector
- 36" gas hose
- Fits Forney® *FNY* **325** and *FNY* **326**

FNY **85659**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

17F COMPATIBLE TIG TORCH

Air-cooled, single piece flex-head TIG torch with 25 dinse adapter. 150 Amp capacity. Electrode range: .020-3/32". 50 dinse connection. Compatible with 200 Amp or lower machines with a size 50 dinse connection.

Includes:

- 12.5' torch with 1/8" collet and tungsten electrode
- Size #7 nozzle
- 5/8" connector
- 36" gas hose
- Fits Forney® *FNY* **325** and *FNY* **326**

FNY **85658**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

PRO-GRIP 17F COMPATIBLE AMPTROL™ TIG TORCH KIT

Forney® PRO-Grip 17F compatible Amptrol™ TIG Torch, 12.5' with spare replacement parts. (For use with 17,18, & 26 series torches). 50 dinse connector with 25 dinse adapter.

Includes:

- 1 short back cap
- (3) Collets (1/16", 3/32" & 1/8")
- (3) Collet bodies (1/16", 3/32" & 1/8")
- (3) Alumina nozzles (#7, #8, #10)
- (3) Tungsten electrode cerated tungsten (1/16", 3/32" & 1/8" X 7")
- Fits Forney® *FNY* **421**

FNY **85660**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

7-PIN TIG FOOT PEDAL FOR FORNEY® TIG & MULTI-PROCESS WELDERS

- Remote amperage control of TIG & MP welders
- 7-pin Amphenol connection
- 25' cable length
- Suitable for Forney® 190 MP, 220 MP, 220 AC/DC
- Fits Forney® *FNY* **420**, *FNY* **421** and *FNY* **220** ST PRO

FNY **85655**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

DELUXE ROD STORAGE CONTAINER (RED)

- Storage container is made of high impact polypropylene plastic
- 14 3/8" overall length (OAL)
- Includes four (4) internal compartments to separate rod
- Screw-type cap and rubber o-ring provide clean, dry,
- air-tight storage for electrodes
- Store up to 10 lbs.

FNY **93097**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

Forney®

300A ELECTRODE HOLDER, LENCO® AF-25 COMPATIBLE

- This electrode holder is 300A, 8.5" long brass body with fiberglass cover and trigger
- Accepts up to #2/0 welding cable and 3/16" electrodes
- Provides excellent conductivity and durability. Insulated for safety and maximum operator protection
- Grooved jaws allow electrodes to be used at different angles for greater comfort and efficiency

FNY **56200**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

SUPER BATTERY CLAMP, 500 AMP

Heavy-duty construction and easy grip handles. Features parrot-style zinc-plated jaws.

- Commercial-grade battery charger clamps
- Includes positive and negative clamps
- Accepts up to #2 gauge cable

FNY **54722**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

300A STEEL LENCO® EG-300 COMPATIBLE GROUND CLAMP

- 8" long with 2" wide jaw opening
- Accepts up to #2 welding cable
- Rugged, economical ground clamp for shop maintenance and field work
- Good positive connection
- Suitable for all farm and shop welders

FNY **54410**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

500A STEEL LENCO® EG-500 COMPATIBLE GROUND CLAMP

- 9½" long with 2" wide jaw opening
- Accepts up to #1/0 welding cable
- Rugged, economical ground clamp for shop maintenance and field work
- For extra heavy jobs
- Fine for good grounds on steel plate, angle iron, pipe, etc.

FNY **54510**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WELDING CABLE

FNY **52020**

FNY **52024**

Item No.	Gauge	Strands	Lbs.	Reel
FNY **52020**	#4	364	145	125'
FNY **52024**	#2	624	235	125'

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

C-CLAMPS

C-clamp with heavy-duty copper-plated spindles, swivel pad, and sliding T-handle. Includes a malleable cast metal frame. High quality for light industrial use.

FNY **70227**

Item No.	Size
FNY **70227**	4 "
FNY **70229**	6"

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

7-IN-1 MIG ALL-PURPOSE PLIERS

Includes 7 features for MIG welding applications:

- (1) Needle nose pliers grip for pulling
- (2) Small serrated hole for MIG tips
- (3) Flat surfaces for hammering
- (4) Cutter to trim MIG wire
- (5) Large serrated hole for nozzle
- (6) Spring loaded handle
- (7) Heavy insulated comfort grip

FNY **85801**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

STRAIGHT HEAD CHIPPING HAMMER, 10 1/2 IN.

- High carbon steel
- Tempered chisel on one end and point on the other
- Black
- Durable
- All-purpose for fast and easy slag removal with ergonomic handle
- Shockproof handle with loop for belt hook
- 10½" overall length (OAL)

FNY **70600**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

PREMIUM NOZZLE GEL 16 OZ.

- Gel eliminates erratic operation with a film that will not clog orifices and threads on MIG nozzles and contact tips
- Suitable for use on fixtures of semi- and automatic welders
- Odorless, non-flammable, non-toxic and silicone free
- Will not cause porosity

FNY **37031**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

Forney®

E6011 MILD STEEL "SUPERSIXTY" ELECTRODES

FNY **31101**

- Forney® E6011 is a cellulosic electrode for high penetration welding of carbon steels
- This electrode displays a stable arc with rapid puddle solidification, which facilitates operation in the overhead and upward vertical positions
- The Forney E6011 can be run at relatively low amperage and maintains good mechanical properties at subzero temperatures

Specifications:

Tensile Strength (PSI): 62,000
Elongation %: 22
All positions
Polarity: ..... DCEP, DCEN, AC

Item No.	Diameter	Weight	Amperages
FNY **31101**	3/32"	1 lbs.	25-75
FNY **31105**	3/32"	5 lbs.	25-75
FNY **31201**	1/8"	1 lbs.	35-125
FNY **31205**	1/8"	5 lbs.	35-125
FNY **31210**	1/8"	10 lbs.	35-125
FNY **31305**	5/32"	5 lbs.	50-160
FNY **31310**	5/32"	10 lbs.	50-160
FNY **42447**	1/8"	40 lbs.	35-125

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

E6013 MILD STEEL "GENERAL PURPOSE" ELECTRODES

FNY **30301**

- Forney® E6013 is an all-position, general purpose electrode with medium to shallow penetration; it is well-suited for welding thin materials at low amperage
- The Forney E6013 has excellent arc initiation, soft and stable arc characteristics, low spatter, and easy slag removal

Specifications:

Tensile Strength (PSI): 62,000
Elongation %: 17
All positions
Polarity: ..... DCEP, DCEN, AC

Item No.	Diameter	Weight	Amperages
FNY **30301**	3/32"	1 lbs.	50-70
FNY **30305**	3/32"	5 lbs.	50-70
FNY **30401**	1/8"	1 lbs.	70-110
FNY **30405**	1/8"	5 lbs.	70-110
FNY **30410**	1/8"	10 lbs.	70-110
FNY **40102**	1/16"	1 lbs.	50-70
FNY **40202**	5/64"	1 lbs.	50-70
FNY **42453**	1/8"	40 lbs.	70-110

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

E7014 MILD STEEL "SUPER CONTACT" ELECTRODES

- Forney® E7014 is suitable for welding carbon and low-alloy steels
- This is a general purpose, high-deposition electrode; it operates at higher amperage than other general purpose electrodes such as E6013
- This electrode is also suitable for thinner materials where minimal penetration is sufficient
- The Forney E7014 produces a smooth and finely rippled bead pattern and easy slag release

Specifications:

Tensile Strength (PSI): 71,000
Elongation %: 17
All positions
Polarity: ..... DCEP, AC

Item No.	Diameter	Weight	Amperages
FNY **32105**	3/32"	1 lbs.	25-75

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

E7018 & E7018-1 H4R MILD STEEL LOW-HYDROGEN ELECTRODES

FNY **30701**

- Forney® E7018 is a low-hydrogen, electrode recommended for welding applications involving structural steel, construction, pressure vessels, boilers, pipes, bridges, power plants, naval, and other high-strength steels where hydrogen control is imperative
- This electrode displays a stable arc, smooth and finely rippled bead pattern, and easy slag removal

Specifications:

Tensile Strength (PSI): 84,000
All positions, except vertical down
Polarity: ..... DCEP, DCEN, AC

Item No.	Diameter	Weight	Amperages
FNY **30701**	3/32"	1 lbs.	65-100
FNY **30705**	3/32"	5 lbs.	65-100
FNY **30801**	1/8"	1 lbs.	100-140
FNY **30810**	1/8"	10 lbs.	100-140
FNY **42463**	1/8"	40 lbs.	100-140
FNY **30910**	5/32"	10 lbs.	140-190
FNY **30905**	5/32"	40 lbs.	140-190

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

E7018 AC MILD STEEL LOW-HYDROGEN ELECTRODES

FNY **30685**

- Forney® E7018 AC mild steel welding rods easily produce quality results on smaller amperage AC/DC welders
- Suitable for all positions on hardenable steels where no pre-heat is used and on cold rolled steels normally exhibiting excessive porosity when welded with conventional rod
- The low-hydrogen content reduces cracking and peeling of the weld material
- Features excellent restart capability
- Designed for welding low, medium and high carbon steels as well as some higher strength low alloy steel
- For frames, trailer hitches and chassis

Specifications:

Tensile Strength (PSI): 84,000
All positions, except vertical down
Polarity: ..... DCEP, DCEN, AC

Item No.	Diameter	Weight	Amperages
FNY **30681**	3/32"	5 lbs.	65-100
FNY **30685**	1/8"	5 lbs.	100-140

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

Forney®

SUPERCOTE HARD FACING ELECTRODES

- Forney® supercote hard facing specialty welding electrodes are excellent low cost rods for moderate abrasion and low impact application
- It can be forged and provides a crack resistant weld
- It features smooth arc action and easy slag removal
- Typical applications include surface buildup on new or worn machine parts of cast steel and manganese steel

Specifications:

All positions
Polarity: ..... DC reverse or AC

Item No.	Diameter	Weight	Amperages
FNY **42405**	5/32"	5 lbs.	115-160

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

E312-16 & E312-17STAINLESS ALLOY ELECTRODES

FNY **44560**

- Forney® E312-16 is an austenitic-ferritic electrode primarily used for repair and maintenance of austenitic and ferritic steels, high-manganese steels with alloy and non-alloy steels, and other metals that are not easily welded
- This electrode offers a stable arc, minimal spatter, easy slag removal, and a smooth bead profile
- The high tensile strength and crack resistance makes it ideal for welding crack-sensitive steel or dissimilar metals
- The Forney® E312-16 can be used for a variety of applications in the repair and maintenance of tools, machine and drive components

Specifications:

Tensile Strength ..... 116,000 PSI
Elongation % 22
All positions
Polarity: ..... DCEP, DCEN, AC

Item No.	Diameter	Weight	Amperages
FNY **44557**	3/32"	1 lbs.	35-70
FNY **44560**	1/8"	1 lbs.	60-110

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

4043 DC ALUMINARC 1/8 IN., 1/2 LB.

E4043 DC aluminum "AluminArc" specialty welding electrodes are the highest strength alloy for arc and torch welding of low alloy aluminum. Excellent for cast, wrought and extruded aluminum in all positions. Can also be used as a torch brazing alloy. Typical applications include truck beds, loading ramps and docks, banisters, stairs, diamond plate, irrigation piping, engine blocks, transmission housings and railroad frogs. Recommended Polarity: DC Reverse.

Item No.	Diameter	Weight	Tensile Strength	Amperages
FNY **45889**	1/8"	.5 lbs.	34,000 PSI	70-120

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

NOMACAST NON-MACHINABLE CAST IRON 1/8 IN., 1 LB.

"Nomacast" non-machinable cast iron specialty welding electrodes feature a non-conductive coating that is specially developed for welding dirty, heat-affected and oxidized cast iron. Ideally suited to cladding contaminated casting prior to joining with high nickel alloys. Non-machinable. Typical applications include machine bases, pedestals, frames and housings where heat and machinability are not an important factor. Hardness: RC 39

Item No.	Diameter	Weight	Tensile Strength	Amperages
FNY **43401**	1/8"	1 lbs.	62,000 PSI	70-125

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

.030 ER308 STAINLESS STEEL MIG WELDING WIRE, 2 LBS.

- Forney® ER308 stainless steel MIG wire. Contains 20% chromium and 10% nickle. Welds type 301, 302, 304, 308, 321, and 347 stainless alloys. Ideal for the food and beverage industry, maintenance and repair.

Specifications:

Diameter: ..... .030"
Weight: ..... 2 lbs.
Tensile Strength (PSI): 79,000
Polarity: ..... DCEP Reverse
Required Sheilding Gas: ..... Argon or Argon/CO^2

FNY **42298**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

ER70S-6 MILD STEEL WIRE

FNY **42290**

- ER70S-6 mild steel MIG wire is a high strength mild steel MIG wire
- Ideal for auto body repair and fabrication on most ferrous metals
- Contains a high level of manganese and silicon for a superior weld, even on rusty or dirty steel
- Produces a smooth bead which requires less grinding. Not recommended for aluminum engines

Specifications:

Tensile Strength (PSI): 70,000
Polarity: ..... DCEP
Required Sheilding Gas: ..... Argon/CO^2

Item No.	Diameter	Weight
FNY **42290**	.024"	2 lbs.
FNY **42285**	.024"	10 lbs.
FNY **42291**	.030"	2 lbs.
FNY **42286**	.030"	10 lbs.
FNY **42276**	.030"	33 lbs.
FNY **42292**	.035"	2 lbs.
FNY **42287**	.035"	10 lbs.
FNY **42281**	.035"	33 lbs.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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WARNING: Always wear eye and face protection.

Forney®

E71T-GS FLUX-CORE MILD STEEL WIRE

- E71T-GS flux-core MIG wire for mild steel is a self-shielded mild steel all position flux-cored MIG welding wire
- Best suited to single pass applications with high-travel speed
- Moderate to low spatter
- Although no gas is required, an Argon/CO2 mix will reduce spatter

FNY **42300**

Specifications:

Tensile Strength (PSI):.....79,000
Polarity:.....DCEN
Required Sheilding Gas:.....Argon/CO^2

Item No.	Diameter	Weight
FNY **42300**	.030"	2 lbs.
FNY **42301**	.030"	10 lbs.
FNY **42302**	.035"	2 lbs.
FNY **42303**	.035"	10 lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ER5356 ALUMINUM WIRE

- ER5356 aluminum MIG wire is a 5% magnesium, all position, non-heat treatable wire used to weld the 5XXX series alloys with some common welding applications such as boats, ships, bicycles, trucks, pressure vessels, automotive parts and equipment

FNY **42293**

Specifications:

Tensile Strength (PSI):.....38,000
Polarity:.....DCEP
Required Sheilding Gas:.....Argon/CO^2

Item No.	Diameter	Weight
FNY **42293**	.030"	1 lbs.
FNY **42294**	.035"	1 lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

ER4043 ALUMINUM WIRE

- ER4043 aluminum MIG wire features 5% silicon content and a bright finish
- Works well with spool guns
- Recommended for truck bodies, pressure vessels and structural components

FNY **42295**

Specifications:

Tensile Strength (PSI):.....33,000
Polarity:.....DCEP
Required Sheilding Gas:.....Argon/CO^2

Item No.	Diameter	Weight
FNY **42295**	.030"	1 lbs.

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BARE BRASS BRAZING ROD

- Balanced zinc and copper alloy
- Features excellent ductility and is smooth flowing
- Excellent for brazing sheet metal, pipes, fenders, water tanks and many cast iron applications
- Requires flux

FNY **48300**

Specifications:

Tensile Strength (PSI):.....63,000
Melting Point:.....1,620° F (882°C)

Item No.	Diameter	Weight	Length
FNY **48300**	3/32"	10 rods	18"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BRONZE BRAZING ROD, FLUX-CORED, LOW FUMING

- High-quality, low-fuming bronze brazing rod with flux
- Formulated for high tensile strength and ductility
- Smooth flowing
- Excellent for most brazing uses
- Flux coated for best cleaning action

FNY **48490**

Specifications:

Tensile Strength (PSI):.....65,000
Melting Point:.....1,598° F (870°C)

Item No.	Diameter	Weight	Length
FNY **48490**	3/32"	10 rods	18"
FNY **48500**	1/8"	10 rods	18"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EASY-FLO ALUMINUM BRAZING 1/8 IN. X 18", 1/2 LB.

- Makes it simple to braze aluminum and zinc-based metals with an oxy-acetylene or propane torch set-up
- Great for repairs on irrigation pipes, carburetor bowls, aluminum boats, lawn mower housings and casings (including aluminum magnesium)
- No flux is required

FNY **46111**

Specifications:

Melting Point:.....732° F (389°C)

Item No.	Diameter	Weight	Length
FNY **46111**	1/8"	1/2 lb.	18"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

FORNEY® HEAVY-DUTY VICTOR® COMPATIBLE OXY-ACETYLENE TORCH OUTFIT

VICTOR® compatible heavy-duty oxy-acetylene welding kit. Welds up to 1/2" and cuts up to 8". Provided with check valves for safety. Ideal for maintenance, fabrication, plumbing and do-it-yourselfers.

Kit Includes:

- Oxygen Regulator: 450 Series - CGA-540: *FNY* **87100**
- Acetylene Regulator: 450 Series, CGA-510: *FNY* **87101**
- Torch Handle: 315/WH360 Series: *FNY* **87102**
- Cutting Attachment: CA2460 Series: *FNY* **87104**
- Goggles: Shade 5, 50mm round: *FNY* **55311**
- Flint Lighter: Single flint lighter: *FNY* **86102**
- T-Grade Hose: 1/4" x 20'
- Cutting Tip #1: Series 1, Type 101: *FNY* **60463**
  Welding Tip #1: Type W: *FNY* **87833**
  Welding Tip #3: Type W:*FNY* **87835**
- Welding Tip #5 *: Type W: *FNY* **100441**
- Rosebud Tip #8: Type MFA: *FNY* **87791**
- Flashback Arrestors & Check Valves
- Tip Cleaner: Extra-long, sizes 6-26: *FNY* **86119**

FNY **1711**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MEDIUM/HEAVY DUTY BASIC CUTTING, WELDING AND HEATING OUTFIT

Victor® compatible, 350-series cutting & heating outfit. Cuts up to 200mm (7.87") and welds up to 12.7mm (1/2") with proper tips. Cuts up to 19.05mm (3/4") right out of the box. 350-series regulators. Ideal for medium to heavy duty hand cutting and heating applications for industrial and general fabrication, structural steel fabrication, repair and maintenance. For use in fabrication operations, in the shop, on the farm or ranch, at the job site or for the serious hobbyist. 315-series torch handle. 2450-series cutting attachment. 1-1-101 cutting tip. MFA-8 heating nozzle. 1/4" (6.35mm) x 15' (4.57m) twin welding hose with fittings. Built-in check valves and flashback arrestor. Accessories included: 50mm (1.97") cup type shade #5 goggles, round single flint striker, 13-piece tip cleaner and stainless steel carry/storage case.

Kit Includes:

- Oxygen Regulator: 350-Series (*FNY* **100452**)
- Acetylene Regulator: 350-Series (*FNY* **100449**)
  Torch Handle: 315FC-Series (*FNY* **87102**)
- Cutting Attachment: 2450-Series (*FNY* **87104**)
- Cutting Tip: 1-1-101 (*FNY* **60463**)
- Heating Nozzle: MFA-8 (*FNY* **87791**)
- Hose: 1/4" (6.35mm) x 15' (4.57m)
- Twin Check Valves and Flashback Arrestors: Built-in
- Goggles: 50mm (1.97") Cup Style Shade #5 (*FNY* **55311**)
- Spark Lighter: Single Flint (*FNY* **86102**)
- Tip Cleaner: 13-piece (*FNY* **86119**)
- Packaging: Stainless Steel Carry Case

FNY **1710**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORNEY® SHOP FLAME™ VICTOR® COMPATIBLE MEDIUM-DUTY OXY-ACETELENE TORCH OUTFIT

Kit Includes:

- Oxygen Regulator: *FNY* **87090**
- Acetylene Regulator: *FNY* **87091**
- Torch Handle: *FNY* **87093**
- Cutting Attachment: *FNY* **87092**
- Goggles: *FNY* **55311**
- Flint Lighter: *FNY* **86102**
- 1/4" x 15' T-Grade Hose
- Cutting Tip #0-3-101: *FNY* **60447**
- Welding Tip #W-1-0: *FNY* **87822**
- Flashback Arrestors & Check Valves

FNY **1705**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OXY-ACETELENE GAS CUTTING TORCH & WELDING KIT

VICTOR® compatible medium-duty torch kit. Welds up to 3/8" and cuts up to 6". Ideal for auto repair, plumbing, refrigeration, metal art, general and industrial maintenance. Easy to store and can be carried from job-to-job. All accessories fit comfortably in a light sturdy plastic tote. All tanks are shipped empty per DOT regulations.

Kit Includes:

- Oxygen Regulator: FNY **86230**
- Acetylene Regulator: FNY **86229**
- Torch Handle: FNY **87093**
- Cutting Attachment: FNY **87092**
- Goggles: FNY **55311**
- Flint Lighter: FNY **86102**
- 3/16" x 12.5' T-Grade Hose
- Cutting Tip #0-3-101: FNY **60447**
- Welding Tip #W-1-0: FNY **87822**
- Oxygen Cylinder: FNY **86224**
- Acetylene Cylinder: FNY **86228**
- Flashback Arrester & Check Valves
- Plastic Tote: FNY **86221**

FNY **1753**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Forney®

VICTOR® HRF 1400 COMPATIBLE FLOWMETER CGA-580 INLET 0-60 SCF

Regulator and flowmeter in one unit. Provides accurate regulation of gas flow. Impact resistant machined brass body, polycarbonate flow tube and outer cover. Designed for MIG and TIG and MAG applications.

Specifications:
- 0 - 60 SCFH flow
- 4,000 PSI cylinder pressure
- Piston type
- CGA-580

FNY **85634**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VICTOR® 100 SERIES COMPATIBLE MEDIUM-DUTY TORCH HANDLE

- Medium-duty VICTOR® compatible oxy-acetylene torch handle
- Includes check valves
- Two stainless steel needle valves for fast accurate flame adjustment
- No screws or soldered joints for enhanced durability and ease of maintenance
- Made from tough extruded brass
- Fits Forney® *FNY* **1705** and *FNY* **1707** torch kits
- Use with W-1 series nozzles

FNY **87093**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VICTOR® CA1350 SERIES COMPATIBLE MEDIUM-DUTY CUTTING ATTACHMENT

- Medium-duty VICTOR® compatible oxy-acetylene cutting attachment
- Double o-ring seal for quick, leak-free, hand-tight connections
- Head and body are made from forged brass for longer life
- Fits Forney® *FNY* **1705** and *FNY* **1707** torch kits
- Use with 3 series cutting tips

FNY **87092**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VICTOR® COMPATIBLE OXY-ACETYLENE CUTTING TIP

FNY **42295**

3-Series, Type 101		1-Series, Type 101	
Item No.	**Size**	**Item No.**	**Size**
FNY **60447**	#0 (0-3-101)	*FNY* **60462**	#0 (0-1-101)
FNY **60448**	#1 (1-3-101)	*FNY* **60463**	#1 (1-1-101)
FNY **60449**	#2 (2-3-101)	*FNY* **60464**	#2 (2-1-101)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VICTOR® SERIES MFA-1, SIZE 8 COMPATIBLE ACETYLENE & HYDROGEN HEATING NOZZLE SERIES

- VICTOR® compatible oxygen-acetylene heating tip
- Size 8 (8-MFA-1)
- Fits Forney® *FNY* **1705**, *FNY* **1707**, and *FNY* **1753** torch kits and
- Victor® style light and medium-duty equipment

FNY **87790**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VICTOR® COMPATIBLE ACETYLENE & HYDROGEN HEATING NOZZLE

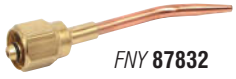
- VICTOR® compatible oxygen-a
- Size 8 (8 MFA)
- Fits Forney® *FNY* **1711** torch kit and Victor® style heavyduty equipment

FNY **87791**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

VICTOR® COMPATIBLE OXY-FUEL WELDING TIPS, TYPE W-1 & TYPE W

FNY **87822**



FNY **87832**

Type W-1		Type W	
Item No.	**Size**	**Item No.**	**Size**
FNY **87822**	#0 (0-W-1)	*FNY* **87832**	#0 (0-W)
FNY **87824**	#2 (2-W-1)	*FNY* **87834**	#2 (2-W)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

R-GRADE OXY-ACETYLENE HOSE WITH B-TO-B FITTINGS

Item No.	Size
FNY **86145**	1/4" x 25'
FNY **86146**	1/4" x 50'

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FNY **86145**

SINGLE-FLINT STRIKER

- Our most popular model
- Features a square hood and round file with a patented assembly
- Used for lighting torch kits, BBQ grills, weedburners, etc

FNY **86102**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

REPLACEMENT FLINTS

- Replacement flints for Forney® *FNY* **86102**
- Single flint sticker starter pack
- 5-pack

FNY **86122**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

THREE-FLINT STRIKER

- Quality tool with a rugged frame and three (3) large flints
- Long lasting round file and bright plated finish
- Dependable ignition under all working conditions
- Release slotted screw to rotate fresh flint into position
- Great for use on torch kits, BBQ's, weed burners, etc.

FNY **86103**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Forney®

FOUR-TRIANGLE (12 FLINTS) REPLACEMENT FLINTS

- Includes four (4) replacement triangles for a total of 12 flints
- For *FNY* **86103**

FNY **86104**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OXY-ACETELENE TIP CLEANER KIT

- Tip cleaner kit provides as many as 60 or more cleaning edges per inch of cleaner
- Fits all tip sizes
- Light and easy to use
- Contains 11 sizes - 6 through 26
- Aluminum case includes dressing tool

FNY **86120**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TIP CLEANER KIT, EXTRA-LONG

- Tip cleaner kit provides as many as 60 or more cleaning edges per inch of cleaner
- Fits all tip sizes
- Light and easy to use
- Contains 11 sizes - 6 through 26
- Aluminum case includes dressing tool

FNY **86119**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

12-PIECE TIP DRILL SET AND HOLDER

- Twelve (12) high carbon steel tip drills stored in a barrel
- Even sizes #52 through #74 within a pencil compatible design
- Includes pocket clip
- Used to clean and true most standard orifices of acetylene welding and cutting tips
- Use Forney® *FNY* **86139** for replacement cleaning drills

FNY **86140**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FORNEY 4-WAY EASY PICK REPAIR KIT

4-Piece. 4-Way Pick Set, 4-Piece General purpose repair kit containing one (1) each easy-pick hook (O-ring remover), easy-pick 90° scribe, easy-pick double scribe, and easy-pick straight scribe.

FNY **70710**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/4 IN. BARBED OXY-ACETELENE HOSE NIPPLE, 5-PACK

- Designed to fit most brands of 1/4" oxy-acetylene twin hose and "B" fittings
- 5-pack

FNY **86137**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/4 IN. OXY-ACETYLENE HOSE FERRULE, 5-PACK

- Designed to fit most brands of 1/4" oxy-acetylene twin hose
- Can be used with either Forney® *FNY* **86112** or *FNY* **86116** crimping tools to provide a tight seal on twin hose
- 5-pack

FNY **86135**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

1/4 IN. OXYGEN-ACETYLENE HOSE BRACE, 5-PACK

- Keeps 1/4" twin hose from separating further than wanted
- Designed to fit most brands of oxy-acetylene twin hose
- 5-pack

FNY **86136**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OUTPUT CONNECTION FOR OXYGEN REGULATORS

- 1/4" National Pipe Thread (NPT) x 9/16"-18 RH thread
- Suitable for use with all Forney® and similar compatible oxygen regulators

FNY **87731**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OUTPUT CONNECTION FOR FUEL GAS REGULATORS

- 1/4" National Pipe Thread (NPT) x 9/16"-18 LH thread
- Suitable for use with all Forney® and similar compatible Acetylene Regulators

FNY **87732**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

6-PIECE 1/4 IN. B-SIZE OXYGENFUEL GAS HOSE REPAIR KIT

- Includes 2 barbed hose nipples, 2 hose ferrules, 1-each oxygen and acetylene 9/16" -18 hose nuts and "B" fittings
- Carded
- For 1/4" hose

FNY **60326**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

3-LEVEL PORTABLE WELDER & CYLINDER CART, 11 1/2 IN. X 27 1/2 IN.

- Portable welder cart
- 11 1/2" wide x 27 1/2" tall
- 3-levels
- Four casters included
- 1.0mm thick steel
- Max recommended weight capacity: 90 lbs.
- Fits Forney® 300-series welders and plasma cutters and all similarly sized welders

FNY **332**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

INDEX

WARNING: Always wear eye and face protection.

Abrasive Wheels

Forney®

ALUMINUM OXIDE

ZIRCONIA ALUMINA

SILICON CARBIDE

Material	Suggested Application
ALUMINUM OXIDE	Aluminum and ferrous metals
ZIRCONIA ALUMINA	Heavy-duty grinding on all ferrous and non-ferrous metals
SILICON CARBIDE	Non-ferrous metals, non-metallics

APPLICATION GUIDE

Type	Characteristics	Grinding 1/4"	Combo 1/8"	Cut-off Under 1/8"	Tool	Position
27	Depressed center • Specifically designed for use on cutting machines • Manufactured with flat grinding rims/faces and designed for: Side grinding when held a slight angle May be used flat when grinding concrete	•	•	•	Right Angle Grinder	30°
28	Depressed center • Similar to the Type 27 wheel but angled upward and away from mounting hole • Saucer-shaped grinding rim designed for corner grinding and side grinding	•			Right Angle Grinder	15°
29	Reversed, saucer-shaped grinding rims		•		Right Angle Grinder	15°
1	Flat disc with mounting hole • Cut at 90° angle			•	Right Angle Grinder	90°
11	• Cup wheel • Designed for removal of large amounts of stock	•			Right Angle Grinder	30°

KNOW YOUR ABRASIVES

Forney Industries' selection of cutting, grinding and surface prep wheels has you covered. From delicate projects to the most demanding applications such as cutting asphalt or concrete, Forney abrasives are the best on the market – manufactured from top-grade materials and tested to ANSI and OSHA standards.

- METAL/GENERAL-PURPOSE
- MASONRY
- STAINLESS STEEL
- PIPELINE
- ASPHALT
- ALUMINUM

Ever wonder why one wheel cuts faster than another? Why do some wheels last longer than others? And what do those codes on the label mean? Well, the code has a lot to do with how the wheel performs. How the wheel is used also to determines its effectiveness. Forney follows the industry standard marking system used by all major manufacturers. Use the information below to better understand the specifications for our line, and other top quality abrasives and cutting wheels.

First series of letters indicates grain type

C: Silicon carbide used for masonry applications
A: Aluminum oxide used for metal applications
ZA: Alumina Zirconium used for stainless steel and ferrous metal applications
TA: Ceramic treated aluminum oxide used for metal

Second series of numbers indicates grit

8-24: Coarse, cut or grind faster with a rough finish
30-60: Medium
70-180: Fine
220 & Up: Extra fine, cuts/grinds slowly with fine finish

Third series of letters indicates bond hardness

A-N: Soft, reduced life, faster cutting or grinding
O-S: Medium
T-Z: Hard, longer life, slower cutting and grinding

Forth series of letters indicates bond

BF: Resinoid fiberglass reinforced
E: Shellac
R: Rubber
V: Vitrified

Example:

When a wheel is marked ZA36T-BF, it is designated as an alumina zirconium grain (ZA) for stainless steel and ferrous metal applications, medium grain size (36), hard bond (T), and resinoid fiberglass reinforced bond (BF). Please note the differences between soft and hard bonding agents. Wheels that last longer will cut slower. Conversely, if you want a wheel that will cut faster, it will not last as long. For a good mix of wheel life and cutting speed, choose a wheel with a (P) or a (T) hardness designation.

WARNING: Always wear eye and face protection.

Forney

Forney COMMANDPRO™ *WHEN THE JOB DEMANDS MORE*

Forney's Command Pro line is an expansion of Forney Industries that offers visibly superior products for demanding or repetitive tasks. These performance-tested products yield impressive results and exceptional value for the experienced professional, seasoned handyman and advanced DIYer. The tough industrial quality allows these tools to be more aggressive, durable, and longer lasting. For products with perfect balance and better removal capacity, Forney's Command Pro line is unmatched.

CHOOSING A WHEEL TYPE

When choosing an abrasive, keep in mind your project and the type of tools you will need. For example, if all you have is an electric drill or electric rotary tool, you will need to use carbide burrs, mounted points or mounted grinding wheels. In addition, consider the composition of the metal you plan to cut as well as whether you want to cut, grind, flare or snag the workpiece.

Type 1 Flat wheel for 90-degree angle metal cutting

Type 28 Saucer-shaped grinding wheel for greater coverage and improved user visibility

Type 29 Flap disc with a flexible design for smoothing and grinding contoured surfaces

Type 11 Flaring cup for grinding over large surface areas

Type 27 Depressed center wheel for grinding, notching and cutting

A small or large right angle grinder is recommended for Type 1, Type 11, Type 27, Type 28 and Type 29 grinding and cut-off wheels. 12-inch and 14-inch cut-off wheels can be used with chop saws, portable saws and "road saws" depending on the application. In all cases of the use of any blade, the type of tool will be indicated on the label. Be sure to not exceed maximum RPM requirements stated on the wheel.

Type 1 Flat wheel for 90-degree angle metal cutting

TYPE 1 METAL CUT-OFF WHEELS

- Type 1 Aluminum Oxide metal cut-off wheels
- Used for metal cutting, metal abrasion, bodywork, metal fabrication and general repair work
  Used on ferrous materials
- Designed to be used on tools listed below

Item No.	Description	Max. RPM	Wheel Size	Thickness	Arbor	Tool	Code
FNY **71840**	Metal	25,450	3"	1/32"	1/4"	Die Grinder	A46T-BF
FNY **71841**	Metal	25,450	3"	1/16"	3/8"	Die Grinder	A46T-BF
FNY **71843**	Metal	25,450	3"	1/8"	3/8"	Die Grinder	A36T-BF
FNY **71855**	Metal	25,450	3"	1/32"	3/8"	Die Grinder	A60T-BF
FNY **71844**	Metal	19,100	4"	1/16"	3/8"	Die Grinder	A46T-BF
FNY **71846**	Metal	19,100	4"	1/16"	5/8"	Right Angle Grinder	A46T-BF
FNY **71856**	Metal	19,100	4"	1/32"	3/8"	Die Grinder	A60T-BF
FNY **71802**	Metal / *71772	13,580	4 1/2"	.040"	7/8"	Right Angle Grinder	A60T-BF
FNY **71815**	Metal	13,580	4 1/2"	.080"	7/8"	Right Angle Grinder	A46T-BF
FNY **71847**	Metal	13,580	4 1/2"	1/16"	7/8"	Right Angle Grinder	A46T-BF
FNY **71849**	Metal	13,580	4 1/2"	1/8"	7/8"	Right Angle Grinder	A36T-BF
FNY **71854**	Metal / *71772	13,580	4 1/2"	.045"	7/8"	Right Angle Grinder	A60T-BF
FNY **71797**	Metal	10,185	6"	.040"	7/8"	Right Angle Grinder	A60T-BF
FNY **71892**	Metal	8,600	7"	1/8"	1/8"	Circular Saw	A24R-BF
FNY **71866**	Metal	4,366	14"	3/32"	1"	Chop Saw	A24R-BF
FNY **72356**	Metal	5,400	14"	5/32"	1"	Handheld Gas/HS Saw	A24R-BF

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **71801** *FNY* **71807** *FNY* **71814**

Type 27 Depressed center wheel for grinding, notching and cutting

TYPE 27 METAL & ALUMINUM CUT-OFF WHEELS

- Type 27 Aluminum Oxide metal cut-off wheels
- Used for metal cutting, metal abrasion, bodywork, metal fabrication and general repair work.
- For flush cutting.
- Used on ferrous materials
- Used on right angle grinders

Item No.	Description	Max. RPM	Wheel Size	Thickness	Arbor	Tool	Code
FNY **71793**	Metal	13,580	4 1/2"	.045"	7/8"	Right Angle Grinder	A60T-BF
FNY **71800**	Metal *71782	13,580	4 1/2"	.090"	7/8"	Right Angle Grinder	A36R-BF
FNY **71801**	Metal	13,580	4 1/2"	.040"	7/8"	Right Angle Grinder	A60T-BF
FNY **71848**	Metal	13,580	4 1/2"	1/8"	7/8"	Right Angle Grinder	A24R
FNY **71807**	Stainless Steel	13,580	4 1/2"	.045"	7/8"	Right Angle Grinder	A46Q-BF
FNY **71814**	Aluminum	13,580	4 1/2"	.045"	7/8"	Right Angle Grinder	AL46N-BF

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

WARNING: Always wear eye and face protection.

Forney®

5-PIECE 3 IN. TYPE 1 STEEL CUT-OFF WHEEL KIT

- 3" cut-off wheel kit (5-piece) with 1/4" shaft mandrel
- Includes 1-each Forney® *FNY* **71840**, *FNY* **71841** and *FNY* **71855**, Type 1 steel cut-off wheels, plus Forney® *FNY* 72386 mandrel set

FNY **71798**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

MANDREL SET FOR TYPE 1 CUT OFF WHEELS

- Mandrel kit for Type 1 cut-off wheels. Includes both 1/4" (6.35mm) and 3/8" arbor holes
- Included in Forney® *FNY* **71798**

FNY **72386**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

10-PIECE CUTTING WHEEL JOB PACK

Type 1 Angle Grinder

- Includes 10-each of Forney® *FNY* **71847**. 4 1/2" x 1/16" x 7/8" cutting wheel
- Type 1 aluminum oxide metal cutting wheel
- Used for metal cutting, metal abrasion, bodywork, metal fabrication, and general repair work
- Used on ferrous materials
- For use on right angle grinder

FNY **71217**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

TYPE 1 BENCH GRINDING WHEELS

Type 1 Bench Grinder

- Vitrified bond, aluminum oxide bench grinding wheel
- Designed for stationary bench grinders
- Used for general grinding and sharpening applications on mild steel
- Not for carbide applications
- Wheels include adapter sizes 1/2", 5/8" and 3/4"

Specifications:

Metal	Mild Steel
RPM	4,100
Wheel Size	6"
Thickness	3/4"
Arbor	1"
Grit	60 Medium

FNY **72400**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

TYPE 27 METAL GRINDING WHEELS

FNY **71876**

Type 27 Depressed center wheel for grinding, notching and cutting

- Aluminum Oxide or Zirconium metal grinding wheels
- Designed for metal abrasion, bodywork, metal fabrication and general repair work
- Used on ferrous metals
- Aluminum Oxide will cut through steel as well as softer metals like brass, annealed iron and steel alloys
- Zirconium is a durable and fast cutting wheel and producesa high metal removal rate
- Forney® Flex discs will become flexible as they warm up
- For use on right angle grinders

Item No.	Description	Max. RPM	Wheel Size	Thickness	Arbor	Tool	Code
FNY **71876**	Metal	13,700	4"	1/4"	5/8"	Right Angle Grinder	A24R
FNY **71819**	Metal	13,300	4 1/2"	1/4"	5/8"-11"	Right Angle Grinder	A24R
FNY **71877**	Metal	13,300	4 1/2"	1/4"	7/8"	Right Angle Grinder	A24R
FNY **71879**	Metal	8,500	7"	1/4"	5/8"-11"	Right Angle Grinder	A24R

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

FNY **71930**

Type 29 Flap disc with a flexible design for smoothing and grinding contoured surfaces

TYPE 29 FLAP DISCS

- Type 29 Blue Zirconia flap discs
- Cuts fast and outlasts sanding discs 10 to 1
- High density discs are ideal for extra tough jobs
- Ideal for fine or rough finishing

Item No.	Description	Max. RPM	Wheel Size	Arbor	Tool	Grit	Code
FNY **71930**	—	13,300	4 1/2"	5/8"-11"	Right Angle Grinder	36	ZA36
FNY **71931**	—	13,300	4 1/2"	5/8"-11"	Right Angle Grinder	60	ZA60
FNY **71932**	—	13,300	4 1/2"	5/8"-11"	Right Angle Grinder	80	ZA80
FNY **71985**	—	13,300	4 1/2"	7/8"	Right Angle Grinder	40	ZA40
FNY **71986**	—	13,300	4 1/2"	7/8"	Right Angle Grinder	60	ZA60
FNY **71987**	—	13,300	4 1/2"	7/8"	Right Angle Grinder	80	ZA80

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

WARNING: Always wear eye and face protection.

Forney®

1/4 IN. SHAFT MOUNTED FLAP WHEELS

- High grade Aluminum Oxide flap wheels
- Perfectly suited for hard-to-reach areas, radial grinding, stock removalde-burring, cleaning, blending and finishing
- For use with steel, stainless steel and aluminum
- 1/4" shank

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Item No.	Max. RPM	Diameter	Height	Tool	Grit
FNY **60190**	25,000	1"	1"	Power Drill	60
FNY **60191**	25,000	1"	1"	Power Drill	80
FNY **60192**	25,000	1"	1"	Power Drill	120
FNY **60187**	25,000	1 1/2"	1/2"	Power Drill	60
FNY **60188**	25,000	1 1/2"	1/2"	Power Drill	80
FNY **60184**	25,000	2"	1"	Power Drill	60
FNY **60185**	25,000	2"	1"	Power Drill	80
FNY **60182**	20,000	3"	1"	Power Drill	80
FNY **60183**	20,000	3"	1"	Power Drill	120

1 IN. X 10 YARD EMERY CLOTH BENCH ROLLS

- Aluminum Oxide coating
- For hand sanding (dry) and cleaning of metal, wood and pipe ends
- Open grain prevents loading
- 1" x 10 yards

FNY **71803**

Item No.	Size	Grit
FNY **71803**	1" x 10 Yards	80
FNY **71804**	1" x 10 Yards	120
FNY **71805**	1" x 10 Yards	180
FNY **71806**	1" x 10 Yards	320

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

4-1/2 IN. BACKING PAD

- Backing pad with 5/8"-11" spindle nut for sanding discs and buffing bonnets
- Heavy-duty and flexible
- Max RPM: 20,000

FNY **72321**

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **71667** *FNY* **71655**

Type 1 Angle Grinder

TYPE 1 ALUMINUM OXIDE SANDING & GRINDING WHEELS

- High quality Aluminum Oxide sanding and grinding discs
- Ideal for weld grinding, blending, finishing, deburring and other general purpose applications
- Special heat treated aluminum oxide grain for fast cutting and long life
- For use on right angle grinders, 7/8" arbor
- Patent pending disc holder reduces curling of discs

Item No.	Description	Max. RPM	Wheel Size	Arbor	Tool	Grit	Quantity
FNY **71667**	Resin Fibre Sanding Disc, Aluminum Oxide	13,300	4 1/2"	7/8"	Right Angle Grinder	24	3
FNY **71668**	Resin Fibre Sanding Disc, Aluminum Oxide	13,300	4 1/2"	7/8"	Right Angle Grinder	36	3
FNY **71669**	Resin Fibre Sanding Disc, Aluminum Oxide	13,300	4 1/2"	7/8"	Right Angle Grinder	50	3
FNY **71653**	Resin Fibre Sanding Disc, Aluminum Oxide	8,500	7"	7/8"	Right Angle Grinder	24	3
FNY **71654**	Resin Fibre Sanding Disc, Aluminum Oxide	8,500	7"	7/8"	Right Angle Grinder	36	3
FNY **71655**	Resin Fibre Sanding Disc, Aluminum Oxide	8,500	7"	7/8"	Right Angle Grinder	50	3

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **71601**

QUICK CHANGE SANDING DISC

Job pack. Excellent for surface conditioning and polishing. Ideal for use while shipbuilding, car restoration, aviation and machinery. Quick change sanding discs are excellent for polishing, deburring, paint & rust removal. Made with premium Aluminum Oxide abrasive grains which prevents loading and reduces heat buildup.

Item No.	Description	Max. RPM	Wheel Size	Tool	Grit	Quantity
FNY **71601**	Fits Forney Industries *FNY* **60270** and *FNY* **71914** backing pads	25,000	2"	Die Grinder/Mandrel	36	5
FNY **71602**		25,000	2"	Die Grinder/Mandrel	80	5
FNY **71603**	Fits Forney Industries *FNY* **60271** and *FNY* **71915** backing pads	20,000	3"	Die Grinder/Mandrel	36	5
FNY **71604**		20,000	3"	Die Grinder/Mandrel	80	5

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

WARNING: Always wear eye and face protection.

Forney®

FNY **71605**

QUICK CHANGE PREP PAD

Job pack. Excellent for surface conditioning before priming and painting. Primarily used for detailed or hard to reach areas with a quick release roll lock feature for easy accessibility. Quick change surface preparation discs are excellent for auto body and automotive work, such as rotor finishing, and on motorcycles, boats, die casting parts, bicycle parts, machinery, and more!

Item No.	Description	Max. RPM	Wheel Size	Tool	Grit	Quantity
FNY **71605**	Fits Forney Industries *FNY* **60270** and *FNY* **71914** backing pads	25,000	2"	Die Grinder/Mandrel	Medium	5
FNY **71606**		25,000	2"	Die Grinder/Mandrel	Course	5
FNY **71609**		25,000	2"	Die Grinder/Mandrel	Fine	5
FNY **71607**	Fits Forney Industries *FNY* **60271** and *FNY* **71915** backing pads	20,000	3"	Die Grinder/Mandrel	Medium	5
FNY **71608**		20,000	3"	Die Grinder/Mandrel	Course	5
FNY **71610**		20,000	3"	Die Grinder/Mandrel	Fine	5

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **71611**

QUICK CHANGE STRIPPING DISC

Job pack. Excellent for surface conditioning before priming and painting. Roll lock quick change for easy attaching and removal.

Quick change stripping discs are excellent for auto body and automotive work, such as rotor finishing, and on motorcycles, boats, die casting parts, bicycle parts, machinery, and more!

Item No.	Description	Max. RPM	Wheel Size	Tool	Grit	Quantity
FNY **71611**	Fits Forney Industries *FNY* **60271** and *FNY* **71915** backing pads	8,500	3"	Die Grinder/Mandrel	Extra Course	2
FNY **71612**	Fits Forney Industries *FNY* **60270** and *FNY* **71914** backing pads	12,000	2"	Die Grinder/Mandrel	Extra Course	2

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **71614**

QUICK CHANGE FLAP DISC

Job pack. Excellent for surface conditioning for auto body and automotive work, such as rotor finishing, and on motorcycles, boats, die casting parts, bicycle parts, machinery, and more!

Quick change flap discs are excellent for grinding, blending, sanding and finishing on a wide range of materials. Quick release roll lock feature for easy accessibility.

Item No.	Description	Max. RPM	Wheel Size	Tool	Grit	Quantity
FNY **71613**	Fits Forney Industries *FNY* **60270** and *FNY* **71914** backing pads	30,000	2"	Die Grinder/Mandrel	36	5
FNY **71614**		30,000	2"	Die Grinder/Mandrel	80	5
FNY **71615**	Fits Forney Industries *FNY* **60271** and *FNY* **71915** backing pads	20,000	3"	Die Grinder/Mandrel	36	5
FNY **71616**		20,000	3"	Die Grinder/Mandrel	80	5

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

20-PIECE ASSORTED DIAMOND POINT SET

- 20-piece diamond point set
- Includes assorted shapes and sizes of nickel bonded diamond points
- Excellent for de-burring, etching and smoothing of glass
- 1/8" shaft
- Max RPM: 30,000
- Dremel® compatible

FNY **60238**

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

QUICK-CHANGE BACKING PADS

FNY **60270**

FNY **60271**

Item No.	Max. RPM	Size	Tool
FNY **60270**	30,000	2"	Drill, Mini Air Die Grinder, Mini Angle Air Die Grinder
FNY **60271**	20,000	3"	

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

WARNING: Always wear eye and face protection.

Forney®

SHAFT MOUNTED TUNGSTEN CARBIDE BURRS

- Double cut for fine work
- Designed to use on ferrous metals, plastic, fiberglass and other machinable materials
- Great for de-burring, sculpting and removing material in hard-to-reach areas
- 1/4" shaft

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Item No.	Description	Max. RPM	Dia.	Type	Tool
FNY **60120**	Cylindrical	70,000	1/4"	SA-1	High Speed Die Grinder
FNY **60121**	Cylindrical	70,000	3/8"	SA-3	High Speed Die Grinder
FNY **60124**	Tree Radius	70,000	1/4"	SF-1	High Speed Die Grinder
FNY **60125**	Tree Radius	70,000	3/8"	SF-3	High Speed Die Grinder
FNY **60127**	Tree Pointed	70,000	3/8"	SG-3	High Speed Die Grinder

1/4 IN. SHAFT MOUNTED RASPS & ROTARY FILES

- Shaft mounted rasps and rotary files are tough, rugged tools made from special tempered steel
- Ideal for removing material in hard-to-reach areas
- Can be used on steel, bronze, fiberglass, plastic and many other materials

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Item No.	Description	Max. RPM	Size	Tool
FNY **60069**	Rotary File, Cylindrical with Rounded End	2,500	1" x 1 1/2"	Power Drill
FNY **60073**	Rotary File, Cylindrical with Flat Top	2,500	1" x 1 1/2"	Power Drill

FNY **72788**

FNY **72752**

CRIMPED WIRE WHEEL BRUSHES

- Great for cleaning and blending surfaces
- Great for removing light burrs, paint and corrosion
- Used for light to medium duty brushing action

CRIMPED WIRE BENCH WHEEL BRUSHES

- Wide face brush
- Great for metal surfaces, blending surfaces, removing light burrs, paints and corrosion
- Used for light to medium duty brushing action on large surface areas
- Adapters for 1/2" to 5/8" arbors

Item No.	Description	Max. RPM	Wheel Size	Arbor	Tool	Wire Size
FNY **72788**	Crimped Wire Wheel Brush	15,000	4"	5/8" - 11"	Right Angle Grinder	.012"
FNY **72752**	Crimped Wire Bench Wheel Brush	6,000	6"	1/2" - 5/8"	Bench or Pedastal Grinder	.014"
FNY **72762**	Crimped Wire Bench Wheel Brush	6,000	8"	1/2" - 5/8"	Bench or Pedastal Grinder	.014"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **72759**

FNY **72760**

TWIST KNOT WIRE WHEEL BRUSHES

- Twist knot wheels provide high-impact action
- Used in surface preparation prior to welding
- Remove weld scale, spatter and heavy corrosion
- Used for heavy duty applications

STRINGER BEAD TWIST KNOT WIRE WHEEL BRUSHES

- Extra narrow stringer bead wheel
- Clean pipe welds between passes
- Used for applications where a narrow brush face is necessary
- Clean pipe welds between passes

Item No.	Description	Max. RPM	Wheel Size	Arbor	Tool	Wire Size
FNY **72759**	Twist Knot Wire Wheel Brush	20,000	4"	5/8" - 11"	Right Angle Grinder	.020"
FNY **72758**	Twist Knot Wire Wheel Brush	9,000	6"	5/8" - 11"	Right Angle Grinder	.020"
FNY **72760**	Stringer Bead Twist Knot Wire Wheel Brush	20,000	4"	5/8" - 11"	Right Angle Grinder	.020"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **72755**

FNY **72757**

CRIMPED WIRE CUP BRUSHES

- Designed for use on right angle grinders
- Used for brushing large surfaces
- Medium removal capacity
- Great for cleaning metal surfaces, blending surfaces, paint and corrosion

KNOTTED WIRE CUP BRUSHES

- Used for brushing large surfaces
- Used for heavy-duty applications
- Great for cleaning metal surfaces, blending surfaces, paint and corrosion

Item No.	Description	Max. RPM	Wheel Size	Arbor	Tool	Wire Size
FNY **72754**	Crimped Wire Cup Brushes	8,000	5"	5/8" - 11"	Right Angle Grinder	.014"
FNY **72755**	Crimped Wire Cup Brushes	14,000	2 3/4"	5/8" - 11"	Right Angle Grinder	.014"
FNY **72756**	Knotted Wire Cup Brushes		6"	5/8" - 11"	Right Angle Grinder	.020"
FNY **72757**	Knotted Wire Cup Brushes	12,500	2 3/4"	5/8" - 11"	Right Angle Grinder	.020"
FNY **72753**	Knotted Wire Cup Brushes	8,500	4"	5/8" - 11"	Right Angle Grinder	.020"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

WARNING: Always wear eye and face protection.

Wire Brushes

Forney COMMANDPRO™ *WHEN THE JOB DEMANDS MORE*

FNY **72830**

FNY **72807**

KNOTTED WIRE CUP BRUSHES

- Premium twist knot cup brush
- Used for brushing large surfaces
- Used for heavy duty applications
- Tufts are positioned for perfect balance and optimum performance
- Great for cleaning metal surfaces, blending surfaces, paint and corrosion

2-3/4 IN. KNOT CUP BRUSH WITH BRIDLE

Ideal for heavy-duty cleaning of metal surfaces. Made from high carbon tempered steel. Equipped with metal bridle to eliminate flaring. When wire is worn to the metal bridle, it can be knocked off by a hammer blow exposing more wire for 30% longer life.

Item No.	Description	Max. RPM	Wheel Size	Arbor	Tool	Wire Size
FNY **72830**	Knotted Wire Cup Brushes	15,000	3"	5/8" - 11"	Right Angle Grinder	.020"
FNY **72807**	Knot Cup Brush With Bridle	12,500	2 3/4"	5/8" - 11"	Right Angle Grinder	.020"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **60014**

FNY **72727**

Forney COMMANDPRO™ *WHEN THE JOB DEMANDS MORE* Forney®

1/4 IN. SHANK MOUNTED CRIMPED WIRE WHEELS

- Great for smaller and hard-to-reach areas
- Crimped style for light to medium applications
- Removes rust, scale and paint
- 1/4" shaft

Item No.	Description	Max. RPM	Size	Shaft	Shaft Shape	Tool	Wire Size
FNY **60014**	Forney Command Pro	20,000	2"	1/4"	Cylindrical	Power Drill	.014"
FNY **60016**		15,000	3"	1/4"	Cylindrical	Power Drill	.014"
FNY **72725**	Forney	6,000	1 1/2"	1/4"	Hex	Power Drill	.012"
FNY **72728**		6,000	2"	1/4"	Hex	Power Drill	.008"
FNY **72727**		6,000	2"	1/4"	Hex	Power Drill	.012"
FNY **72733**		6,000	2 1/2"	1/4"	Hex	Power Drill	.012"
FNY **72736**		6,000	3"	1/4"	Hex	Power Drill	.008"
FNY **72735**		6,000	3"	1/4"	Hex	Power Drill	.012"
FNY **72739**		6,000	4"	1/4"	Hex	Power Drill	.012"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **60004**

FNY **72729**

Forney COMMANDPRO™ *WHEN THE JOB DEMANDS MORE* Forney®

1/4 IN. SHANK MOUNTED CRIMPED WIRE CUP BRUSHES

- Great for smaller and hard-to-reach areas
- Crimped style for light to medium applications
- Removes rust, scale and paint
- 1/4" shaft

Item No.	Description	Max. RPM	Size	Shaft	Shaft Shape	Tool	Wire Size
FNY **60004**	Forney Command Pro	13,000	1 1/2"	1/4"	Cylindrical	Power Drill	.014"
FNY **60005**		13,000	2 1/2"	1/4"	Cylindrical	Power Drill	.014"
FNY **72729**	Forney	6,000	2"	1/4"	Hex	Power Drill	.012"
FNY **72731**		6,000	3"	1/4"	Hex	Power Drill	.012"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

FNY **60002**

Forney COMMANDPRO™ *WHEN THE JOB DEMANDS MORE*

TWIST KNOT WIRE END BRUSHES

Stem mounted twist knot wire end brush designed for easy access into narrow holes and confined areas. Constructed for heavy-duty applications. Removes rust, scale, paint, etc. in hard-to-reach places. Made from tempered steel. For use with any 1/4" diameter high RPM die grinder.

Item No.	Description	Max. RPM	Size	Shaft	Shaft Shape	Tool	Wire Size
FNY **60002**	Forney Command Pro	25,000	1"	1/4"	Cylindrical	Die Grinder, Power Drill	.020"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

WARNING: Always wear eye and face protection.

FNY **72737**

Forney COMMANDPRO™ WHEN THE JOB DEMANDS MORE

Forney

CRIMPED WIRE END BRUSHES

- Designed for easy access into harrow holes and confined areas
- Crimped style for light to medium applications
- Removes rust, scale and paint

Item No.	Description	Max. RPM	Size	Shaft	Shaft Shape	Tool	Wire Size
FNY **60001**	Forney Command Pro	25,000	3/4"	1/4"	Cylindrical	Right Angle Air Die Grinder, Die Grinder, Power Drill	.020"
FNY **72737**	Forney	20,000	1"	1/4"	Hex	Right Angle Air Die Grinder, Die Grinder, Power Drill	.014"
FNY **72738**	Forney	20,000	1"	1/4"	Hex	Right Angle Air Die Grinder, Die Grinder, Power Drill	.008"

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Forney

STAINLESS TWIST KNOT WIRE WHEEL

Stainless steel twist knot wire wheel brushes provide highimpact. Stainless steel is recommended when brushing corrosion-resistant or non-ferrous metals such as stainless or aluminum or when the brush is being used in a wet environment. Designed for use on right angle grinders.

Product Specifications:

- Diameter: 4"
- Arbor: 5/8-11
- Material: Stainless steel (SS)
- Wire Size: .020"
- Maximum RPM: 20,000
- Tool Type: Right angle grinder

FNY **72805**

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Forney

STAINLESS CUP BRUSH, KNOTTED

Ideal for use on metals such as stainless steel, or aluminum or when the brush is being used in a wet environment. Used for fast heavy-duty cleaning of large surfaces, removing weld scale, rust, burrs, etc.

Product Specifications:

- Diameter: 2 3/4"
- Arbor: 5/8"-11
- Material: Stainless steel
- Wire Size: .020"
- Maximum RPM: 12,500
- Tool Type: Right angle grinder

FNY **72802**

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Forney

STAINLESS CUP BRUSH, CRIMPED

Ideal for use on metals such as stainless steel or aluminum. Designed for easy access into narrow holes or confined areas. Light to medium duty.

Product Specifications:

- Diameter: 1"
- Shank: 1/4"
- Material: Stainless steel
- Hex Wire Size: .014"
- Maximum RPM: 20,000
- Tool Type: For use with any 1/4" diameter electric power
- drill or pneumatic (air) drills

FNY **72803**

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Forney

FNY **70519**

FNY **70520**

FNY **70512**

FNY **70505**

SCRATCH BRUSHES, SHOE WOOD HANDLE

- Premium hardwood shoe handle, 4 x 16 rows
- 11 1/4" overall length
- Solidly embedded wire fill, will not rust
- Pre-drilled hang up hole

Item No.	Wire Type	Best Use
FNY **70519**	Brass	Non-ferrous materials where scratches are undesirable
FNY **70520**	Stainless Steel	High humidity
FNY **70512**	Carbon Steel	Aggressive cleaning, Metal Scraper attached
FNY **70505**	Carbon Steel	Aggressive cleaning

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

Forney

FNY **70518**

FNY **70521**

FNY **70511**

FNY **70504**

SCRATCH BRUSHES, LONG CURVED WOOD HANDLE

- Premium hardwood curved, long handle, 3 x 19 rows
- 13 3/4" overall length
- Solidly embedded wire fill, will not rust
- Pre-drilled hang up hole

Item No.	Wire Type	Best Use
FNY **70518**	Brass	Non-ferrous materials where scratches are undesirable
FNY **70521**	Stainless Steel	High humidity
FNY **70511**	Carbon Steel	Aggressive cleaning, Metal Scraper attached
FNY **70504**	Carbon Steel	Aggressive cleaning

⚠ **WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.**

WARNING: Always wear eye and face protection.

Wire Brushes

FNY **70491** *FNY* **70503**

SCRATCH BRUSHES, CURVED WOOD HANDLE

- Premium hardwood curved, long handle, 2 x 9 rows
- 8⅝" overall length
- Solidly embedded wire fill, will not rust
- Ideal for general purpose cleaning
- Pre-drilled hang up hole

Item No.	Wire Type	Best Use
FNY **70491**	Brass	finish or delicate cleaning of stainless steel, or polished steel
FNY **70503**	Stainless Steel	High humidity

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

FNY **70490** *FNY* **70506**

SCRATCH BRUSHES, WOOD HANDLE

- Premium hardwood curved, handle, 3 x 7 rows
- 7¾" overall length
- Solidly embedded wire fill, will not rust
- Pre-drilled hang up hole

Item No.	Wire Type	Best Use
FNY **70490**	Brass	non-ferrous metals where scratches are undesirable
FNY **70506**	Stainless Steel	general purpose cleaning on boats and areas where humidity is a problem

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

FNY **70488**

FNY **70489**

CLEANING BRUSHES, PLASTIC HANDLE

- Plastic handle, 3 x 7 rows
- 7¼" overall length
- Solidly embedded wire fill, will not rust
- Pre-drilled hang up hole

Item No.	Wire Type	Best Use
FNY **70489**	Brass	non-ferrous metals where scratches are undesirable
FNY **70488**	Stainless Steel	general purpose cleaning on boats and areas where humidity is a problem

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

FNY **70525**

3 X 7 DUAL HEAD SCRATCH BRUSHES

Item No.	Wire Type	Unit(s)	Best Use
FNY **70525**	Stainless Steel	1	• Plastic handle, 3 x 7 rows • 7¾" overall length • Dual heads for hard to reach areas • Ergonomic, soft grip handles with predrilled hang up hole
FNY **70526**	Nylon	1	
FNY **70527**	Brass	1	
FNY **70531**	Combo	3	

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

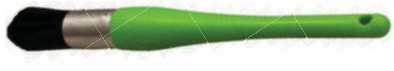
COMMAND PRO™ *WHEN THE JOB DEMANDS MORE*

BRASS COATED CRIMPED STEEL WIRE SCRATCH BRUSH

- Long plastic handle, 5" brush part, 10½" overall length
- Made with brass coated wire
- Long, thin face for tight, hard to reach places
- Ideal for general purpose cleaning
- Pre-drilled hang up hole

FNY **70516**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.



POLYPROPYLENE BRISTLE PARTS CLEANING BRUSH

- Durable brush with polypropylene bristles and handle, 10½" overall length
- Resistant to most auto parts cleaning solutions
- Used to clean motors, machinery and metal parts
- Metal ferrule for additional support and durability
- Pre-drilled hang up hole

FNY **70508**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

NYLON TUBE BRUSH

- Single stem/single spiral tube brush
- Made with .005" nylon bristles
- Ideal for cleaning bottles, hoses and drains
- Also great for automotive applications

FNY **70469**

WARNING: Improper use may cause breakage and serious injury. Comply with ANSI B7.1 and OSHA rules. Always wear approved personal protective equipment.

COMMAND PRO™ *WHEN THE JOB DEMANDS MORE*

TAP MAGIC™ PRO-CUT FLUID 16 OZ.

- Command Pro Tap Magic™ 16 oz.
- Non-spray cutting fluid
- Great for cutting, drilling, tapping or threading metal components
- Use on ferrous metals and non-ferrous alloys
- Apply directly on the work surface

FNY **20858**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

30W SOLDERING IRON

- Ideal for light-duty repairs and hobbyist
- 30W soldering iron, 120V/734°F
- Lightweight with replaceable pointed tip
- Ergonomic reinforced plastic handle offers better grip for precision work
- Fast heat dissipation, high solidness and long lifespan

FNY **59021**

Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

PENCIL FLAME PROPANE TORCH

- Pencil flame propane torch
- Adjustable flame knob for control and economy
- Solid brass valve body for durability

FNY **61539**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

SELF-IGNITING TORCH

- Self-igniting trigger torch
- Adjustable flame control knob
- Instant on/off trigger ignite
- Simple one-handed operation and lock button keeps torch lit for finger-free use

FNY **61545**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

ELECTRICAL SOLDER

Item No.	Lead Free	Description	Dia.	Weight	Alloy	Package
FNY **61419**	—	Electrical Repair Rosin Core Solder	1/16"	.75 oz.	40% Tin / 60% Lead	Card
FNY **61426**	—	Electrical Repair Rosin Core Solder	1/32"	4 oz.	60% Tin / 40% Lead	Card
FNY **61429**	—	Electrical Repair Rosin Core Solder	1/20"	.3 oz.	60% Tin / 40% Lead	Card
FNY **61479**	YES	Lead-Free Electrical Repair Rosin Core Solder	1/32"	4 oz.	97% Tin / 2.75% Copper / .25% Silver	Card
FNY **61480**	YES	Lead-Free Electrical Repair Rosin Core Solder	1/32"	.3 oz.	97% Tin / 2.75% Copper / .25% Silver	Card
FNY **61534**	—	Electrical Repair Rosin Core Solder	1/16"	4 oz.	40% Tin / 60% Lead	Card
FNY **61535**	—	Electrical Repair Rosin Core Solder	1/16"	4 oz.	60% Tin / 40% Lead	Card

FNY **61479**

FNY **61480**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

GENERAL PURPOSE SOLDER

Item No.	Lead Free	Description	Dia.	Weight	Alloy	Package
FNY **38116**	—	General-Purpose Repair Solid Core Solder	1/16"	.9 oz.	94% Tin / 6% Silver	Card
FNY **61402**	—		1/16"	.75 oz.	40% Tin / 60% Lead	Card
FNY **61536**	—		1/8"	4 oz.	40% Tin / 60% Lead	Card

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

FNY **61536**

FNY **61402**

FLUX LIQUIDS AND PASTE

Item No.	Description	Weight	Package
FNY **37250**	Brazing Flux 1/2 lb.	.9 oz.	Card
FNY **60301**	Rubyfluid™ Liquid Flux for Soldering, 2 oz.	.75 oz.	Card
FNY **60303**	Rubyfluid™ Paste Flux for Soldering, 2 oz.	4 oz.	Card

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

FNY **37250**

FNY **60301**

FNY **60303**

ACID BRUSH

Tin Handle Horsehair Acid Brush for Solder Flux.

- 4 3/4" x 3/8" (3-Pack)

FNY **60300**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

MARKING SCRIBE

- Premium scribe, useful marking tool featuring a handy pocket clip, knurled aluminum handle and tungsten carbide tip
- This scribe can cut glass
- Premium Scribe

FNY **70714**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

When used with respect to solders and flux, the term refers to solder and flux containing not more than 0.2% lead and, when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings and fixtures, the term refers to" those "containing not more than a weighted average of 0.25% lead." Other leaded solders may be sold only if the package bears a prominent label stating that it is illegal to use the solder or flux in the installation or repair of any plumbing. Also, leaded solder is not allowed to be located in the plumbing section of the retail facility.
The Act prohibits the "use of any pipe, any pipe or plumbing fitting or fixture, any solder, or any flux, in the installation or repair of (i) any public water system; or (ii) any plumbing in a residential or non-residential facility providing water for human consumption, that is not lead free.

WARNING: Always wear eye and face protection.

Welding Protection

SOAPSTONE HOLDER REFILLS

- #1 select natural white soapstone pencil refill
- Uniform texture and size
- Won't contaminate welds

Item No.	Description	Qty.	Shape
FNY **60306**	3/16" x 1/2" x 5" For Forney® *FNY* **70802**	3	Flat
FNY **60305**	1/4" x 5" For Forney® *FNY* **70806**	5	Round

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

FLAT SOAPSTONE HOLDER, STEEL

- Ruggedly constructed flat steel soapstone holder comes with a channel case design and convenient spring pocket clip
- Easily indexable, this holder is designed for one- handed operation
- Proven and superior design features that are widely used and preferred in the welding industry

FNY **70802**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

ROUND SOAPSTONE PENCIL HOLDER, 1/4 IN. ALUMINUM

- Constructed with an inner sleeve collet to separate the soapstone for maximum grip and protection
- Slim line brass holder with a convenient deluxe pocket clip
- Easily adjustable

FNY **70807**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

FACE SHIELD ASSEMBLY WITH RATCHET HEADGEAR, CLEAR

- 15½" x 8" polycarbonate clear face shield assembly with ratchet-type headgear
- This face shield assembly is lightweight for maximum comfort and meets ANSI Z87.1 safety standards
- Forney® *FNY* **58608** is the replacement ratchet type headgear
- Forney® *FNY* **58602** is the replacement clear face shield (also commonly referred to as a visor)

FNY **58605**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

MEDIUM MAGNETIC SUPPORT JIG WITH 45°, 90° & 135° ANGLES

- Magnetic welding jig with center hole, medium, lifts up to 50 lbs.
- Strong non-switchable magnetic that sticks to any iron object
- Includes 45°, 90°, and 135° angles
- Excellent "3rd hand" for welding, soldering, assembly, pipe installation, marking, floating and separating thin metal stacks

FNY **70717**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

SMALL MAGNETIC SUPPORT JIG WITH 45°, 90° & 135° ANGLES

- Magnetic welding jig, Small, Lifts up to 25 lbs.
- Strong non-switchable magnetic that sticks to any iron object
- Includes 45°, 90°, and 135° angles
- Excellent "3rd hand" for welding, soldering, assembly, pipe installation, marking, floating and separating thin metal stacks

FNY **70716**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

SIGNATURE WELDING GLOVE

Premium full grain palm and back. Heat- and abrasion-resistant reinforced patches in key strategic areas for added protection. 5" split leather reinforced safety cuffs. Heat-resistant Kevlar® stitching and self-welted seams provide extra strength and durability.

Benefits:

- Reinforced thumb crotch and welted fingers
- Padded palm patch reinforcements
- Cotton interlock lining for moisture absorption
- Kevlar® stitching for maximum strength

FNY **53411** Xtra-large

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

PREMIUM HEAVY-DUTY WELDING GLOVES

Premium side-split leather palm and back. Heat and abrasion resistant, reinforced patches in key strategic areas with an extended gauntlet safety cuff. Heat-resistant Kevlar® thread, cotton foam lining for moisture absorption and heat protection.

Benefits:

- 5" gauntlet cuff for added protection
- Reinforced thumb crotch and palm patch
- Cotton interlock lining for moisture absorption

FNY **53422** Large

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

SPLIT LEATHER WELDING GLOVES

Extended gauntlet safety cuff provides extra wrist and forearm protection. Split leather palm and back, cotton lining, selfhemmed welted seams all provide protection, strength and durability.

Benefits:

- Cotton interlock lining for moisture absorption
- Welted fingers protect against burns
- Wing style thumb increases flexibility and lessens fatigue

FNY **55200** Large

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

Forney

MULTI-PURPOSE WELDING GLOVES

Premium grade goatskin multi-process welding glove for MIG, TIG and Stick applications.

Benefits:

- Premium grade goatskin leather palm and back offers excellent combination of durability and dexterity while being extremely lightweight
- Durable lock stitching with flame resistant Kevlar® thread for added strength and heat resistance
- Aluminized Mylar layered between foam insulated lining combines natural comfort and excellent heat protection
- Excellent protection up to 250A during welding operation
- Reinforced welted seams provide added stability

FNY **53414** Xtra-large

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Forney

GOATSKIN LEATHER TIG/STICK WELDING GLOVES

Premium full grain goatskin leather palm and back. Fortified with heat-resistant Kevlar® thread and an extended split leather gauntlet safety cuff. Durable and protective.

Benefits:

- Goatskin leather for maximum dexterity
- Unlined palm and long leather cuff
- Kevlar® stitching for maximum strength

FNY **55210** Xtra-Large

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Forney

WELDING HELMETS

FNY **55857**

FNY **55858**

FNY **55859**

FNY **55860**

FNY **55861**

The Forney auto-darkening welding helmets feature HD optical clarity with true color technology that allows you to clearly see what you're doing, resulting in precise and aesthetically pleasing welds. They also encompass an adjustable ratchet headband with increased padding for comfort.

Forney® Features:

- HD optical clarity with true color technology and 1/1/1/2 optical clarity rating
- Functional user controls
- Tilt adjustment to set the optimum position of the helmet in relation to the chin

Auto-Darkening Filter Features:

- High-grade, heat resistant material
- Two optical arc sensors to protect against arc flash
- 5.97 sq. in. (3 3/5" x 1 7/11") viewing area
- DIN 9-13 variable shade selections
- 1/25,000 per second switching speed
- Cheater/magnifying lens compatible

Shell and Headgear Features:

- Versatile angle and horizontal adjustments
- Padded removable sweatband (washable)
- 5-point angle adjustment for easy modification
- Ratchet and tilt adjustment
- Contoured profile design naturally directs fumes away

FNY **55857** Black Matte
FNY **55858** The Angler
FNY **55859** Scorch
FNY **55860** Smoking Rose
FNY **55861** Valor

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Forney EASY WELD®

WELDING HELMETS

FNY **55731**

FNY **55732**

The Forney Easy Weld auto-darkening welding helmets are the ideal choice for novice welders. They feature easy to use controls with simple formatting, so you can fine tune your settings with the flip of a switch. These functional helmets are the perfect way to protect yourself at an affordable price.

Auto-Darkening Filter Features:

- High-grade, heat resistant material
- Easy to operate switch functions (delay, grind, sensitivity)
- Two optical arc sensors to protect against arc flash
- 5.97 sq. in. (3 3/5" x 1 7/11") viewing area
- 1/1/1/2 optical clarity rating
- DIN 9-13 variable shade selections
- 1/25,000 per second switching speed
- Cheater/magnifying lens compatible

Shell and Headgear Features:

- Lightweight
- Impact resistant and fireproof nylon shell
- Angle and horizontal adjustments
- Ratchet adjustment
- Standard removable sweatband (washable)
- Contoured profile design naturally directs fumes away

FNY **55731** Black Matte
FNY **55732** Velocity

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Forney | PRO

WELDING HELMETS

FNY **55935**

FNY **55936**

FNY **55937**

FNY **55938**

The Forney PRO auto-darkening welding helmets include four optical sensors, supplying extra protection against arc flash. The viewing area is 10.44 sq. inches and features Arc Optics technology providing a crisp and clear view of your welds. The headgear is heavily padded for comfort, making them perfect for professionals who weld for long periods of time.

Forney® PRO Features:

- 43% larger viewing area
- Dedicated shade selection for grinding & cutting
- Arc Optics technology and 1/1/1/2 optical clarity rating
- Replaceable batteries

Auto-Darkening Filter Features:

- Four optical arc sensors to protect against arc flash
- 10.44 sq. in. (3.94" x 2.65") expanded viewing area
- High-grade, heat resistant material
- DIN 5-9 and DIN 9-13 variable shade selections
- 1/25,000 per second switching speed with functional user controls
- Cheater/magnifying lens compatible

Shell and Headgear Features:

- Lightweight
- Impact resistant and fireproof nylon shell
- Versatile angle and horizontal adjustments
- Heavily padded removable sweatband (washable)
- 5-point adjustment for easy modification
- Quick release button for hassle-free adjustments
- Adjustable dual headband with ratchet and swivel adjustment
- Contoured profile design naturally directs fumes away

FNY **55935** Black Matte
FNY **55936** Camo
FNY **55937** Amped
FNY **55938** Warhawk

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Welding Protection

Forney®

BANDIT I WELDING HELMET, 2 IN. X 4 1/4 IN., LIFT FRONT, #10

- Lightweight, tough and durable welding helmet
- Excellent choice for do-it-yourselfers
- Meets ANSI Z87.1 safety standards
- Forney® *FNY* **55674** is replacement ratcheting-type headgear
- UV/IR protection
- Includes ratcheting type headgear, lift front 2" x 4¼" heat treated #10 shade lens and clear glass protective lens

FNY **55666**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

Forney®

BANDIT II, WELDING HELMET, FIXED SHADE #10

- Lightweight, tough and durable welding helmet
- Excellent choice for do-it-yourselfers
- Meets ANSI Z87.1 safety standards
- Forney® *FNY* **55674** is replacement ratcheting-type headgear
- UV/IR protection
- Includes ratcheting type headgear, 5¼" x 4½" heat treated shade #10 lens and clear glass protective lens

FNY **55673**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

Forney®

ACCESSORIES & REPLACEMENT PARTS

FNY **55674**

FNY **56800**

FNY **56801**

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

Item No.	Description
FNY **55674**	Ratchet Headgear for Forney® *FNY* **55666**, *FNY* **55673**, *FNY* **55697** and *FNY* **55699**
FNY **56800**	Cover Lens, 2" x 4¼", Clear Plastic. Fits Forney® *FNY* **55663**, "Slim Line", *FNY* **55666**, "Bandit I" and *FNY* **55680**,"Super Slim" welding helmets and most brand name helmets using a 2" x 4¼" window opening. Meets ANSI Z87.1 safety standards
FNY **56801**	Cover Lens, 2" x 4¼", Clear Glass. Fits Forney® *FNY* **55663**, "Slim Line", *FNY* **55666**, "Bandit I" and *FNY* **55680**, "Super Slim" welding helmets and most brand name helmets using a 2" x 4¼" window opening. Meets ANSI Z87.1 safety standards

Forney®

REPLACEMENT LENS, 2 IN. X 4 1/4 IN. SHADED LENS

Item No.	Description	Size	Shade	
FNY **57005**	Standard size replacement lens for helmets requiring a 2" x 4½" lens. Fits Forney® *FNY* **55663**, "Slim Line", *FNY* **55666**, "Bandit I" and *FNY* **55680**, "Super Slim" welding helmets. Meets ANSI Z87.1 safety standards.	2" X 4¼"	#5	
FNY **57010**		2" X 4¼"	#10	

REPLACEMENT LENS, 5 1/4IN. X 4 1/2 IN. SHADED LENS

Item No.	Description	Size	Shade	
FNY **57052**	Fits Forney® *FNY* **55647**, *FNY* **55669**, *FNY* **55672**, *FNY* **55673**, *FNY* **55684**, *FNY* **55686**	5¼" X 4½"	#10	

REPLACEMENT LENS, CLEAR LENS

Item No.	Description	Size	Material	
FNY **57055**	Fits Forney® *FNY* **55647**, *FNY* **55669**, *FNY* **55672**, *FNY* **55673**, *FNY* **55684**, *FNY* **55686**	5¼" X 4½"	Plastic	

⚠ Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

Forney

OUTSIDE COVER LENS, CLEAR GLASS, 4 1/2 IN. X 5 1/4IN.

Standard size replacement lens for helmets requiring a 4½" (114.3 mm) x 5¼" (133.35 mm) lens. Fits Forney Industries *FNY* 55647, "Patriot", *FNY* **55669**, "Finish Line", *FNY* **55672**, "Bandit III", *FNY* **55673**, "Bandit II", *FNY* **55684**, "Titan" and *FNY* **55686**, "Super Slim" welding helmets. Meets ANSI Z87.1 safety standards.

Benefits:

- High quality material offers superior protection from dust, weld spatter and impact

FNY **57056**

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Forney EASY WELD® | Forney PRO

FNY **55759** *FNY* **55760** *FNY* **55763** *FNY* **55764**

Item No.	Description	
FNY **55759**	Forney Easy Weld®	2-Pack Outer Protective Lens
FNY **55760**	Forney Easy Weld®	2-Pack Inner Protective Lens
FNY **55763**	Forney PRO	2-Pack Outer Protective Lens
FNY **55764**	Forney PRO	2-Pack Inner Protective Lens

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Forney

WELDING GOGGLES, 2 IN. X 4 1/4 IN., LIFT FRONT, SHADE #5

Features 2" x 4¼" shade #5 hardened lens with clear glass cover lens. Meets ANSI Z87.1 safety standards.

Benefits:

- Conforms comfortably to the head
- Fits over most regular prescription eye glasses
- Provides 99.9% UV A/B/C protection
- Adjustable strap

FNY **55320**

⚠ **Warning: Cancer & Reproductive Harm – www.P65Warnings.ca.gov.**

Firepower

ESAB ROGUE ES 180i

Portable solutions for professional welding.

The ESAB Rogue ES 180i provides a smooth DC (Direct Current) welding power which allows you to weld a variety of metals, such as alloyed and non-alloyed steel, stainless steel, and cast iron. The Arc Force and Hot Start settings are adjustable and help the user find exactly the right arc for the job. Being digital the Micro-processor precisely controls all functions and provides Best-in Class welding performance across the amperage range of the machine.

The ESAB Rogue ES 180i can easily perform TIG -welding using a "Lift TIG" start. Equip the power source with the optional TIG-Torch, which has a built-in gas valve and a regulator, and a bottle of gas and you are ready to weld mild steel or stainless steel, with or without filler material.

- Used with electrodes up to 5/32 in. (4.0 mm)
- Weld up to 3/8 in. (9.5 mm) thick plates in a single pass
- Weighs 18.2 lbs.
- Dual voltage input supply –flexibility to use any place on single phase plug
- Superior Arc characteristics –smooth and stable performance (including special mode for 60xx)
- Generator Compliant –suitable for use with generators. (7kW recommended)
- Easy to Use –set the welding current and weld with excellent results
- Practical Design –makes the power source easy to carry which enables use at almost any work site
- Robust Design –IP23S designed for fabrication shop or site application
- PFC ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 300 feet (12 AWG size)
- Optional TIG torch
- 3-Year Warranty

FPW **0700500070**

Accessories:

Item No.	Description
FPW **0700500085**	Rogue Plastic Case
FPW **35857**	TIG Torch HW-17R, 60° Head with Rotary Valve, 12 ½ ft., 2 pc. cable/hose assembly twist lock
FPW **0781-2701**	GRF400-580 Flowmeter Regulator
FPW **WS200E13**	Electrode Holder 200A and Lead Assembly, 13 ft. (4m), 50mm
FPW **WS200G10**	Ground Clamp 200A and Lead Assembly, 10 ft. (3m), 50mm
FPW **W4014000**	Power adapter, 230 V to 120 V, 15A

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

INDEX

WARNING: Always wear eye and face protection.

ESAB THERMAL DYNAMICS CUTMASTER® 40 PLASMA CUTTING MACHINE

Highest power-to-weight ratio in its class

The Cutmaster® 40 with SL60™ 1Torch® is the perfect combination of end-user insight, advanced technology and intelligent design. Packed with power and offering the highest power-to-weight ratio in its class, the Cutmaster 40 with SL60 1Torch also has best in class cutting arc length and the most empowering and engaging user experience no matter the application.

- Built for portability and durability with the integral multi-handle design
- 40% Duty Cycle depending on application. Automatic voltage input detection from 110-240V and will automatically set the max output. 27 amps for 110 and 40 amps for 200-240V
- Industrial SL60 1Torch with ATC® (Advanced Torch Connector)
- Up to 1/2 in. (12 mm) recommended pierce and cut capacity with maximum sever of 1 in. (25 mm)
- Cutmaster Black Series electrode included for up to 60% longer life of consumable parts
- Industry leading 4-year warranty on power supply and 1-year warranty on torch

Specifications:

Amperage Out	15-40A continuously adjustable
Recommended Generator Size	8.0 kW
Open Circuit Voltage	300 V
Input Voltage	110-240 VAC +/- 10%, 50/60 Hz, 1ph
Rated Duty Cycle	40% @ 40 A, 60% @ 30 A, 1000% @ 20 A
Amperage Draw*	29 A @ 208 V, 26 A @ 230 V, 25.3 A @ 115 V
Input Power Cable and Plug	9 ft. (2.7m) 1 ph 12 AWG 3/C with NEMA 6-50P plug
Work Lead with Ground Clamp	13 ft. (4m) #8 work cable with 50 mm connection
Gas Requirements	Compressed Air
Operating Temperature Range	3°2–122° F (°0–5°0 C)
Operating Input Air Pressure Range	90–125 psi (6.2–8.6 bar)
Minimum Air Flow Requirements (cutting & gouging	170 cfh (80 l/min)
Recommended Cut	up to 1/2 in. (12 mm)
Maximum Sever	1 in. (25 mm)
Pierce Rating	1/2 in. (12 mm)
SI60 Torch Duty Cycle	100% at 40 A @ 400 cfh (189 l/min) air flow
Torches - for use with Cutmaster 40	SL60QD 1Torch
Dimensions L x W x H	18.1 x 7.9 x 12.6 in (460 x 200 x 320 mm)
Weight	22 lbs. (10 kg)

* at maximum Cut Capacity

FPW **1-4000-1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FP-200 MIG/FLUX-CORED WELDER

Firepower FP-200 is a MIG/Flux Cored welding system with a 30 – 200A output. Welds material from 22 gauge up to 3/8-inch in a single pass. Accepts 4- and 8-inch diameter wire spools. Firepower FP-200 comes with a Tweco Fusion 180 MIG gun, Firepower/Victor GF250 gas regulator, Firepower ground clamp with heavy-duty 50 mm dinse connection, 50A-15A (120/230V) power adapter, sample spool of flux cored wire and 0.023/0.030 and 0.030/0.035 drive rolls.

- ESAB Designed/Inverter Technology
- Dual Voltage 120/230V
- 200 Amp Max Output, Single Phase
- 3/8" Maximum Plate Thickness
- Digital Interface (Large & Bright LED Display)
- ESAB Genuine Tweco & Victor Accessories
- Spool Gun Capable for Aluminum Welding
- 3-Year Warranty

FPW **1444-1200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

MST-200 MULTI-PROCESS (MIG/STICK/DC-TIG)

Firepower MST-200 is a Multi-Process MIG/Flux Cored/Stick/Lift TIG welding system with a 10 –200A output. Stable Lift TIG arc at low amperage for total control; power to run Stick electrodes up to 5/32-inch. Firepower MST-200 comes with a Tweco Fusion 180 MIG gun, Tweco 17V TIG Torch, Tweco Electrode Holder, Firepower/Victor GF250 gas regulator, Firepower ground clamp with heavy-duty 50 mm dinse connection, 50A-15A (120/230V) power adapter, sample spool of flux cored wire and 0.023/0.030 and 0.030/0.035 drive rolls.

- ESAB Designed/Inverter Technology
- ESAB Genuine Tweco & Victor Accessories – Includes TIG Torch
- Dual Voltage 120/230V
- 200 Amp Max Output, Single Phase
- 3/8" Maximum Plate Thickness
- Digital Interface (Large & Bright LED Display)
- Spool Gun Capable for Aluminum Welding
- 3-Year Warranty

FPW **1444-3200**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

OXYFUEL 350 HEAVY DUTY OUTFIT

Features

- High performance, complete system that meets or exceeds industry standards
- Superior 350 Series high flow color coded regulators
- Complete handle and cutting attachment optimized for multiple gases
- Up to 6" cutting capacity and 1/2" welding
- Flexible versatile platform
- Includes flashback arrestors
- Fuel gas type: Acetylene.

Applications

The OxyFuel 350 Heavy Duty Outfit contains premium performance components for professional grade use. Optimized for 1" cut and 1/8" weld out of the box. Suitable for medium to heavy duty fusion welding, braze welding, brazing, heating and hand cutting applications.

Contents

Oxygen/Acetylene 350 Series Regulators, 350 Series Cutting Attachment and Handle, Flashback Arrestors, Dual R-Grade Hose 3/16" x 12.5 ft., #1 Cutting Tip, #2 Welding Nozzle, Striker, Protective eyewear and Manual.

Item No.	Description	Fuel Gas Type
FPW **0384-2682**	OxyFuel 350 Heavy Duty Outfit (Box)	Acetylene

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

OXYFUEL 250 MEDIUM DUTY OUTFIT

Features

- High performance, complete system that meets or exceeds industry standards
- High performance 250 Series color coded regulators
- Complete handle and cutting attachment optimized for multiple gases
- Up to 5" cutting capacity and 1/2" welding
- Flexible versatile platform
- Two year warranty

Applications

The OxyFuel 250 Medium Duty Outfit contains premium performance components for the value driven consumer. Optimized for 1/2" cut and 5/64" weld out of the box. Suitable for light to medium duty fusion welding, braze welding, brazing, heating and hand cutting applications.

Contents

Oxygen/Acetylene 250 Series Regulators, 250 Series Cutting Attachment and Handle, Dual R-Grade Hose 3/16" x 12.5 ft., #0 Cutting Tip, #0 Welding Nozzle, Striker, Protective eyewear and Manual.

Item No.	Description	Fuel Gas Type
FPW **0384-2571**	OxyFuel 250 Medium Duty Outfit (Box)	Acetylene

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

OXYFUEL 250 TOTE

Features

- Complete portable system
- Cutting torch and handle are ready for multiple gas options; Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Simple to use rearmount regulator with high contrast gauges
- Meets or exceeds industry safety standards
- Cut 1/8" (3.2mm) to 3" (76.2mm) steel
- Weld up to 1/4" (6.4mm) Steel
- Constructed with high strength alloys, heavy duty stainless steel and durable brass
- Two year warranty

NOTE: Tanks Are For Exchange Only And Are Empty

Applications

This OxyFuel 250 outfit complete with carry tote and empty tanks is the ideal entry level starter package. Optimized for 1/2" cut and 1/8" weld out of the box. Suitable for light duty fusion welding, braze welding, brazing and hand cutting applications.*

Contents

Oxygen/Acetylene 150 Series Regulators, 250 Series Cutting Attachment and Handle, cylinder wrench with chain, Dual R-Grade Hose 3/16" x 12.5 ft., #0 Cutting Tip, #2 Welding Nozzle, Striker, Protective eyewear, Tote Carry Pak with storage and Manual. (with or without OX-20 cu. ft. Type "R" and AC-MC10 cu. ft. tanks depending on part no.)

Item No.	Description	Fuel Gas Type
FPW **0384-0977**	OxyFuel 250 Outfit, complete with carry tote and empty tanks*	Acetylene
FPW **0384-0978**	OxyFuel 250 Outfit, complete with carry tote, no tanks*	Acetylene

***Not Recommended For Use With Heating Nozzles Due To Tank Size.**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

OXYFUEL 250 REPLACEMENT TORCH KIT

Features

- Cutting torch and handle are ready for multiple gas options; Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Ergonomic color coded knobs (Acetylene and Oxygen)
- Meets or exceeds industry safety standards
- Cut 1/8" (3.2mm) to 5" (127mm) steel
- Heat using multiple heat nozzles
- Weld up to 1/2" (12.7mm) steel
- Constructed with high strength alloys and heavy duty stainless steel and durable brass
- Fuel gas type: all
- Two year warranty

***NOTE: For use with fuel gas other than Acetylene, proper tips, regulators or T-grade hoses may be required.**

Applications

This OxyFuel 250 replacement torch kit delivers the latest generation of Victor® professional torch and handle design and operating platform.

Contents

250 Series Cutting Attachment and Handle, #0 Cutting Tip, #0 Welding Nozzle, and Manual.

FPW **0384-2573**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FPW **0781-9826**

OXYFUEL OXYGEN REGULATOR

Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Clear color coding for the correct gas usage
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (RH)
- 10-150 PSIG
- 540 CGA
- Two year warranty

Applications

The OxyFuel 250 and 350 Oxygen regulators are suitable for a wide range of cutting, heating and welding applications using Oxygen gas only.

Item No.	Description	Gas Type
FPW **0781-9826**	OxyFuel 250 Oxygen Regulator	Oxygen
FPW **0781-9829**	OxyFuel 350 Oxygen Regulator	Oxygen

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FPW **0781-9827**

OXYFUEL ACETYLENE REGULATOR

Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Clear color coding for the correct gas usage
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (LH)
- 510 CGA
- 2-15 PSIG
- Two year warranty

Applications

The OxyFuel 250 and 350 Acetylene regulators are suitable for a wide range of cutting, heating and welding applications using Acetylene fuel gas only.*

Item No.	Description	Gas Type
FPW **0781-9827**	OxyFuel 250 Acetylene Regulator,	Acetylene
FPW **0781-9830**	OxyFuel 350 Acetylene Regulator	Acetylene

*** Other Fuels Gas Regulators available @ VictorEquip.com**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

ARGON/CO2 MIXES FLOWGAUGE REGULATOR 580 CGA

Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Clear color coding for the correct gas usage
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (RH)
- Gas type: Argon/CO2.
- 10-150 PSIG
- Two year warranty

Applications

The Argon/CO2 Flowgauge Regulator is suitable for MIG and TIG welding applications using Argon and Argon/CO2 gas mixtures.

Item No.	Description	Gas Type
FPW **0781-9832**	Flowgauge Regulator	Argon/CO2

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

OXYFUEL 150 TOTE REGULATORS

FPW **0781-4238**

Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (LH)
- Standard CGA, rear mount gas connections for Oxygen tote kits
- Two year warranty

Applications

The Oxyfuel 150 Tote Regulators are suitable for a wide range of cutting, heating, and welding applications.

Item No.	Description	Gas Type
FPW **0781-4238**	OxyFuel 150 Tote Acetylene Regulator, 200 CGA, 2-15 PSIG	Acetylene
FPW **0781-4239**	OxyFuel 150 Tote Oxygen Regulator, 540 CGA, 4-60 PSIG	Oxygen

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

HIGH PRESSURE REGULATORS

Features

- 0-4000 PSI cylinder gauge
- Max Inlet 3000
- 2½" diameter gauges
- Brass construction, single stage regulator
- Two year warranty

Applications

Heavy Duty, high pressure piston regulator.

Item No.	Description	Gas Type
FPW **0781-9726**	1500 High Pressure Regulator, 580 CGA, 100-1500 PSIG	Helium, Argon, Nitrogen
FPW **0781-9727**	3000 High Pressure Regulator, 680 CGA, 200-3000 PSIG	Helium, Argon, Nitrogen

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

OXYFUEL CUTTING ATTACHMENTS

FPW **0381-0759**

Features

- Meets or exceeds Industry Standards
- Attaches quickly and easily to OxyFuel handle (no tools required), 7/8" thread
- Cutting oxygen lever securely fitted to the body for ease of operation
- High strength triple stainless steel tube construction with good cutting visibility
- Multi gas operation: Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Cutting capacity up to 6" (350), up to 5" (250)
- Two year warranty

Applications

Suitable for the following processes: hand cutting.

Item No.	Description	Fuel Gas Type
FPW **0381-0759**	OxyFuel 250 Cutting Attachment	All
FPW **0381-0760**	OxyFuel 350 Cutting Attachment	All

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

OXYFUEL 250-350 CUTTING/WELDING HANDLE

Features

- Meets or exceeds Industry Standards
- High strength durable brass and alloy handle, "W" nozzle connection 7/8" thread
- High precision valves for sensitive control for delicate welding jobs
- Easy light up for high flow heating applications
- Multi gas operation: Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Left and right hand threads prevent incorrect hose connection, 1/4" thread
- Color coded control knobs for maximum safety and ease of use, even when wearing gloves
- Fuel gas type: all
- Two year warranty

NOTE: For use with Fuel Gas other than Acetylene. Proper Tips, Regulators or T-Grade Hoses may be required.

Applications

The OxyFuel Cutting and Welding Handle connects to Oxyfuel Cutting attachments and a complete line of Heating and Welding nozzles. Suitable for the following processes: Fusion welding, braze welding, brazing, soldering, heating, hand cutting.

FPW **0382-0358**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

350 OXYFUEL ST900 OXYFUEL STRAIGHT CUTTING TORCH

Features

- Cutting torch and handle are ready for multiple gas options; Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Labeled knobs (Acetylene and Oxygen)
- Meets or exceeds industry safety standards
- Cut 1/8" (3.2mm) to 6" (152.4mm) steel
- Constructed with high strength alloys, heavy duty stainless steel and durable brass
- Includes built-in patented flash back arrestors
- Fuel gas type: all
- Two year warranty

Applications

Suitable for the following processes: hand cutting.

FPW **0381-0751**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

100FC TORCH HANDLE (BOXED)

Features

This medium duty torch handle is includes VanGuard safety features Built-in flashback arrestors - no need for accessory flash arrestors Built-in reverse flow check valves - no need for accessory check valves Works with all fuel gases (pressure restrictions for different gases)

Hose Connection: ..... 9/16" – 18
Weight: ..... 14 oz
Length: ..... 8½"

Applications

The OxyFuel Cutting and Welding Handle connects to Victor Oxyfuel Cutting attachments and a complete line of Victor Heating and Welding nozzles. Suitable for the following processes: Fusion welding, braze welding, brazing, soldering,heating, hand cutting.

FPW **0382-0032**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

OXYFUEL HOSES

FPW **1412-0021**

Features

- Premium quality hose that meets or exceeds the requirements of RMA and CGA
- Secure, specifically designed hose fittings ensure operator safety
- Color coded for easy identification
- Precut to length with fitted connections
- 12.5 ft., 25 ft. and 50 ft. lengths in 3/16" and 1/4" thread connector
- R-Grade hose recommended for use with Acetylene

Key Information

It is important to use the correct type of hose for the required gas(es) to be used. Any non-standard application should always be checked and approved before being put into operation. Pressure drops will occur through hoses and hose fittings, therefore allowances must be made to compensate for this when setting up equipment and adjusting regulators. Color coding of hoses and different threads for fuel and Oxygen prevents incorrect connections of hoses to the wrong gas type. Dual hoses help to keep the work area tidy, which reduces the risk of hose damage. OxyFuel hoses are Grade "R" recommended for Oxygen and Acetylene, available in pre fitted lengths from 12.5 ft. to 50 ft. Compatible with all the OxyFuel range and suitable for light to heavy duty fusion welding, braze welding, brazing, heating and hand cutting applications.

Part No.	Description	Fuel Gas Type
FPW **1412-0012**	3/16" x 12.5 ft. Dual R-Grade	Acetylene
FPW **1412-0020**	3/16" x 25 ft. Dual R-Grade	Acetylene
FPW **1412-0021**	1/4" x 25 ft. Dual R-Grade	Acetylene
FPW **1412-0022**	1/4" x 50 ft. Dual R-Grade	Acetylene

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FPW **0656-0008**

FPW **0656-0000**

FPW **0656-0016**

OXYFUEL FLASHBACK ARRESTORS

Features

- Provide ultimate protection against "Flashback" and premature failure of system components
- High flow capacity
- Non-return valve
- Large cylindrical stainless steel flame arrestor

Applications

Designed for connection to the inlet of the torch handle and used for all cutting, heating and welding applications.

Part No.	Description	Fuel Gas Type
FPW **0656-0008**	OxyFuel 250-350 FBT-2 Torch Flashback arrestors set with check valves	All
FPW **0656-0000**	KC-1 Kwik Connect™ Pair Pak (Oxygen and Fuel)	All
FPW **0656-0016**	OxyFuel 250-350 FPRA Regulator Flash-back arrestor set with check valves	All

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

OXYFUEL CUTTING TIPS

Features

- Longer Nozzle life – high grade copper and advanced manufacturing techniques give the Firepower OxyFuel superior cutting life.
- Better quality cutting – the mirror smooth finish of the gas ports assures stable gas flow and superior cutting oxygen stream. Cuts are clean and smooth with the narrowest kerf.
- Less slag adhesion – copper content conducts heat away from the nozzle face. The nozzle keeps cooler and slag adherence to the nozzle face is reduced.
- Consistent manufacture batch testing ensures OxyFuel nozzles will consistently deliver the highest quality performance

Acetylene

Type101

Natural Gas

Type GPN

Applications

Used for cutting steel 1/8" to 6" thick.

Tip Size	Plate Thickness	Oxyfuel 250 Series 3 - Item No.	Oxyfuel 350 Series 1 - Item No.	Fuel Gas Flow (SCFH)	Fuel Gas Pressure (PSIG)	Oxygen Flow (Total SCFH)	Cutting Oxygen Pressure (PSIG)
Acetylene Type Cutting Tips (Type 101)							
00	1/4" - 6mm	*FPW* **6700-2439**	*FPW* **6700-2409**	4/6	3/5	30/35	20/2
0	1/2" - 13mm	*FPW* **6700-2440**	*FPW* **6700-2410**	6/10	3/5	60/65	30/35
1	3/4" - 19mm	*FPW* **6700-2441**	*FPW* **6700-2411**	8/13	3/5	80/85	30/35
2	1" - 25mm	*FPW* **6700-2442**	*FPW* **6700-2412**	10/16	3/6	140/150	35/40
3	2" - 51mm	*FPW* **6700-2443**	*FPW* **6700-2413**	14/22	4/9	210/225	40/45
4	3" - 76mm	*FPW* **6700-2444**	*FPW* **6700-2414**	18/30	5/10	270/320	40/50
5	5" - 127mm	—	*FPW* **6700-2415**	26/38	5/13	425/450	50/55
Natural Gas Type Cutting Tips (Type Gpn)							
00	1/4" - 6mm	*FPW* **6700-2499**	—	5/7	3/5	22/26	20/25
0	1/2" - 13mm	—	*FPW* **6700-2470**	8/10	3/5	50/55	30/35
1	3/4" - 19mm	*FPW* **6700-2501**	*FPW* **6700-2471**	10/12	4/6	70/80	30/35
2	1" - 25mm	*FPW* **6700-2502**	*FPW* **6700-2472**	12/15	4/8	115/125	35/40
3	2" - 51mm	*FPW* **6700-2503**	*FPW* **6700-2473**	14/18	5/9	150/175	40/45

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

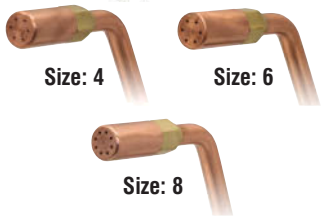
OXYFUEL HEATING NOZZLES

Features

- Concentrated high temperature flame
- Wide range for different applications
- Connects directly to the OxyFuel torch handle platform*

Applications

Used for concentrated heating of steel and other materials.

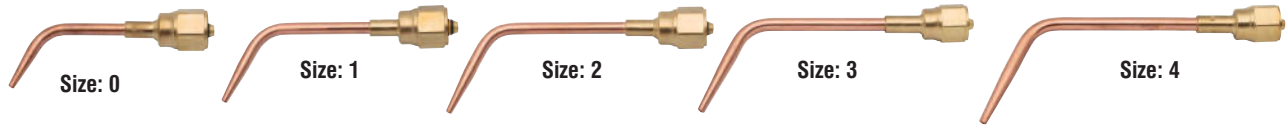


NOTE:
1. "W" Nozzles Fits 7/8" Thread OxyFuel 250-350 Handle
2. "W-1" 5/8" Thread OxyFuel 150 Nozzle Also Available

Item No.	Description	Fuel Gas Type	Size	Oxygen Pressure (PSIG)	Acetylene Pressure (PSIG)	Oxygen Consumption (SCFH)	Acetylene Consumption (SCFH)
FPW **0323-0270**	250-350 Series Multi-flame Nozzle (Clamshell)	Acetylene	4	8/12	6/10	7/22	6/20
FPW **0324-0143**	150 Series Multi-flame Nozzle (Clamshell)	Acetylene	4	8/12	6/10	7/22	6/20
FPW **0323-0271**	250-350 Series Multi-flame Nozzle (Clamshell)	Acetylene	6	10/15	8/12	15/44	14/40
FPW **0324-0146**	150 Series Multi-flame Nozzle (Clamshell)	Acetylene	6	10/15	8/12	15/44	14/40
FPW **0323-0272**	250-350 Series Multi-flame Nozzle (Clamshell)	Acetylene	8	20/30	10/15	33/88	30/80
FPW **0324-0112**	150 Series Multi-flame Nozzle (Clamshell)	Acetylene	8	20/30	10/15	33/88	30/80

*** Heating Nozzles Are Not Recommended For Use With Tote Outfits, and FPW 0916-0032 and FPW 0916-0033 Tanks.**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov



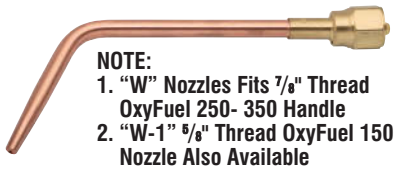
OXYFUEL WELDING NOZZLES

Features

- Concentrated high temperature flame
- Wide range for different applications
- Connects directly to the OxyFuel torch handle platform

Applications

Used for fusion welding, braze welding, brazing, and soldering of thin steel and other weldable materials



NOTE:
1. "W" Nozzles Fits 7/8" Thread OxyFuel 250- 350 Handle
2. "W-1" 5/8" Thread OxyFuel 150 Nozzle Also Available

Item No.	Description	Fuel Gas Type	Metal Inches	Thickness Mm	Drill Size	Oxygen (PSIG)	Acetylene (PSIG)	Acetylene (SCFH)
FPW **0323-0360**	#0 Acetylene Welding Nozzle	Acetylene	5/64"	1.9	65 (0.035)	3/5	3/5	2/4
FPW **0324-0150**	#0 Acetylene 150 Welding Nozzle	Acetylene	5/64"	1.9	65 (0.035)	3/5	3/5	2/4
FPW **0323-0361**	#1 Acetylene Welding Nozzle	Acetylene	3/32"	2.4	60 (0.040)	3/5	3/5	3/6
FPW **0324-0151**	#1 Acetylene 150 Welding Nozzle	Acetylene	3/32"	2.4	60 (0.040)	3/5	3/5	3/6
FPW **0323-0362**	#2 Acetylene Welding Nozzle	Acetylene	1/8"	3.2	56 (0.046)	3/5	3/5	5/10
FPW **0324-0152**	#2 Acetylene 150 Welding Nozzle	Acetylene	1/8"	3.2	56 (0.046)	3/5	3/5	5/10
FPW **0323-0363**	#3 Acetylene Welding Nozzle	Acetylene	1/16"	4.8	53 (0.060)	4/7	3/6	8/18
FPW **0324-0153**	#3 Acetylene 150 Welding Nozzle	Acetylene	1/16"	4.8	53 (0.060)	4/7	3/6	8/18
FPW **0323-0364**	#4 Acetylene Welding Nozzle	Acetylene	1/4"	6.4	49 (0.073)	5/10	4/7	10/25
FPW **0324-0154**	#4 Acetylene 150 Welding Nozzle	Acetylene	1/4"	6.4	49 (0.073)	5/10	4/7	10/25
FPW **0323-0365**	#5 Acetylene Welding Nozzle	Acetylene	1/2"	12.7	43 (0.089)	6/12	5/8	15/35
FPW **0324-0155**	#5 Acetylene 150 Welding Nozzle	Acetylene	1/2"	12.7	43 (0.089)	6/12	5/8	15/35

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

SMITH CUTTING TIPS

Item No.	Description
FPW **CSSC121**	Smith Cutting Tip SC12 Size 1
FPW **CSSC122**	Smith Cutting Tip SC12 Size 2
FPW **CSMC121**	Smith Cutting Tip MC12 Size 1
FPW **CSMC122**	Smith Cutting Tip MC12 Size 2

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **CSSC121**

MISCELLANEOUS CUTTING TIPS

FPW **0387-1228** Purox #3

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

WARNING: Always wear eye and face protection.

FPW **1445-1925**

FPW **1445-1935**

FPW **1445-1945**

FP-25I, FP-35I & FP-45I PLASMA CUTTING MACHINES

- 60A Plasma Torch (connected)
- Work Cable and Clamp
- Two (2) tips and two (2) electrodes
- Electrode Wrench
- Shoulder Strap
- User Manual (Power Source and Torch)

Item No.	*FPW* **1445-1925***	*FPW* **1445-1935***	*FPW* **1445-1945***
Voltage-Frequency	115 Volts-50/60Hz	208/230 Volts-50/60Hz	208/230 Volts-50/60Hz
Mild Steel Cutting Capacity (CleanCut)	5/16" (8mm)	1/2" (12mm)	5/8" (16mm)
Mild Steel Cutting Capacity (Severance)	3/8" (10mm)	5/8" (16mm)	1" (25mm)
Stainless Cutting Capacity (Clean Cut)	1/4" (6mm)	3/8" (10mm)	1/2" (12mm)
Aluminum Cutting Capacity (Clean Cut)	3/16" (5mm)	5/16" (8mm)	3/8" (10mm)
Piercing Capacity	1/8" (3mm)	3/16" (5mm)	1/4" (6mm)
Output Current	20-25 Amps	20-35 Amps	20-45 Amps
Duty Cycle	25A @ 25%	35A @ 35%	45A @ 35%
Input Air Pressure	80-110 psi (5.5-7.6 bar)		
Air Flow	3.9 cfm (110 l/min)		
Torch Air Pressure	67 cfm (4.6 bar)		
Weight (machine + torch)	29.7 lbs. (13.5 kg)		
Dimensions (W x H x D)	6.9" x 12.8" x 16.3" (176mm x 324mm x 415mm		
Enclosure class	IP21C, EN 60974-1, CSA, ETL		

Consumables/Accessories

Item No.	Description
60A Torch Consumables	
FPW **1445-1901**	Cutting Tip, 25A / 35A (5 pk)
FPW **1445-1902**	Cutting Tip, 45A (5 pk)
FPW **1445-1903**	Electrode, 60A (5 pk)
FPW **1445-1904**	Stand Off Guide, 60A
FPW **1445-1905**	Shield Cup, 60A
FPW **1445-1906**	O-Ring, 60A (3 pk)
FPW **1445-1907**	Gas Diffuser, 60A
Accessories	
FPW **1445-1900**	Plasma Torch, 60A, with 25A/35A and 45A Tips
FPW **1445-1908**	Inline Air Filter
FPW **1445-1909**	Inline Air Filter Cartridge
FPW **1445-1910**	Circle Cutting Guide

***(includes 60A torch, two (2) tips, two (2) electrodes, electrode wrench, and User Manual)**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

VICTOR THERMAL DYNAMICS CUTMASTER® 82 PLASMA CUTTING MACHINE

The Cutmaster 82 weighs in at a mere 43 lbs (19.5 kg) almost 50% less than its leading competitor, while still offering superior cutting power. Don't let the size of this unit fool you, it's more than capable of cutting ¾" (20mm) with a maximum capability of 1½" (40mm). This unit, like all other TRUE™ Cutmasters, is equipped with the 1Torch®.

Applications

Heavy fabrication, manufacturing and contractors

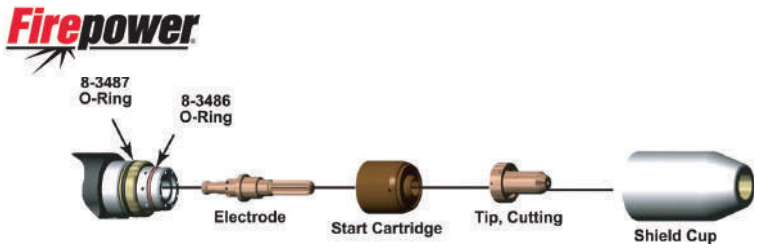
Machine Specifications

Max Amperage Output	80A
Output Power	9 kW
Recommended Cut	¾" (20mm)
Max Cut	1 ½" (40mm)
Pierce Rating	⅝" (15mm)
Input Voltage - (Volts, Phase, Hz)	208/230V - 460V, ⅓ ph 50/60 Hz, 400V 3 ph 50 Hz, 600V 3 ph 50/60 Hz
Duty Cycle (@40°C)	40%@ 80A, 60%@ 65A, 100%@ 55A
Amperage Draw	72 (230V, 1 ph), 39 (230V, 3 ph), 21 (460V, 3 ph)
Dimensions (H x W x L)	15" x 12" x 24" (381mm x 305mm x 610mm)
Weight	43 lbs (19.5 kg)
Torch Model	SL60 Hand, SL100 Mech & Auto
Air Pressure	70 psi (4.8 bar)
Flow	6.7 cfm (190 bar)
Warranty (Unit/Torch) Parts and Labor	4/1
Approvals	CSA, ETL

FPW **1-1130-1**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.



CUTMASTER® 42 / 52 / 82 PLASMA ACCESSORIES CONSUMABLES

Current Range	Mode Of Operation	Amps	Electrode	Start Cartridge	Tip	Shield Cup
SL40™ Consumables (for use with Cutmaster® 42)						
10-40 Amps	Standoff Cutting	40A	*FPW* **9-0096**	*FPW* **9-0097**	*FPW* **9-0094**	*FPW* **9-0098**
10-40 Amps	Drag Tip / Cutting	20A	*FPW* **9-0096**	*FPW* **9-0097**	—	*FPW* **9-0098**
10-40 Amps	Drag Tip / Cutting	40A	*FPW* **9-0096**	*FPW* **9-0097**	*FPW* **9-0093**	*FPW* **9-0098**
SL60® and SL100® Consumables						
20-40 Amps	Drag Tip / Cutting	20A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
20-40 Amps	Drag Tip / Cutting	30A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8206**	*FPW* **9-8218**
20-40 Amps	Drag Tip / Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8207**	*FPW* **9-8218**
20-40 Amps	Drag Tip / Cutting	20A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
20-40 Amps	Drag Tip / Cutting	30A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8206**	—
20-40 Amps	Drag Tip / Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8207**	—
20-40 Amps	Standoff Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
20-40 Amps	Standoff Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
20-40 Amps	Gouging	Tip A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Drag Tip / Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
50-60 Amps	Standoff Cutting	50-55A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
50-60 Amps	Standoff Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8210**	*FPW* **9-8218**
50-60 Amps	Standoff Cutting	50-55A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Standoff Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8210**	—
50-60 Amps	Drag Shield Cutting	50-55A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Drag Shield Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8210**	—
50-60 Amps	Gouging	Tip B	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Gouging	Tip C	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Gouging	Tip D	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Standoff Cutting	70A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8231**	*FPW* **9-8218**
70-100 Amps	Standoff Cutting	80A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8211**	*FPW* **9-8218**
70-100 Amps	Standoff Cutting	90-100A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
70-100 Amps	Standoff Cutting	70A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8231**	—
70-100 Amps	Standoff Cutting	80A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8211**	—
70-100 Amps	Standoff Cutting	90-100A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Drag Shield Cutting	70A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8231**	—
70-100 Amps	Drag Shield Cutting	80A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8211**	—
70-100 Amps	Drag Shield Cutting	90-100A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Gouging	Tip B	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Gouging	Tip C	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Gouging	Tip D	*FPW* **9-8215**	*FPW* **9-8213**	—	—
120 Amps	Standoff Cutting	120A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
120 Amps	Drag Shield Cutting	120A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
120 Amps	Gouging	Tip E	*FPW* **9-8215**	*FPW* **9-8213**	—	—

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

CUTSKILL® TORCH PARTS AND ACCESSORIES

Item No.	Descriptions
Cutskill® C-20A Plasma Torch Parts	
FPW **9-8218**	Torch Shield Cup
FPW **9-8206**	Torch Tip (pkg. of 5)
Cutskill® C-35A Torch Parts	
FPW **9-8218**	Torch Shield Cup
FPW **9-8207**	Torch Tip - 40A (pkg. of 5)
FPW **9-8213**	Torch Start Cartridge
FPW **9-8215**	Torch Electrode (pkg. of 5)

Item No.	Descriptions
Cutskill® C-70A Parts And Accessories	
FPW **9-8218**	Torch Shield Cup
FPW **9-8231**	Torch Tip - 70A (pkg. of 5)
FPW **9-8213**	Torch Start Cartridge
FPW **9-8215**	Torch Electrode (pkg. of 5)
FPW **9-8281**	Torch Standoff Guide Accessory

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FPW **9-8213**

FPW **9-8215**

FPW **9-8218**

FPW **9-8206**

WARNING: Always wear eye and face protection.

REBEL EMP215ic MULTI-PROCESS WELDER
- MIG, STICK and TIG (DC) all included
- Dual voltage 120V/230V with maximum 240 amp output
- 3/8" Max. Plate Thickness
- 4.3" Display, 40 lb. overall weight
- SmartMIG Technology
  – Select Wire Diameter
  – Set Material Thickness
  – Start Welding and SmartMIG does the rest
- 3-Year Warranty

FPW **0558102240**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ESAB REBEL EMP205ic AC/DC MULTI-PROCESS WELDER
- AC/DC TIG with Pulse DC
- MIG, Flux Cored & Stick
- Dual voltage 120V/230V maximum 235 amp output
- 3/8" Max. Plate Thickness
- 4.3" Display, 49 lb. overall weight
- SmartMIG Technology
  – Continuously learns and adapts to the operators welding technique
- 3-Year Warranty

FPW **0558102553**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ESAB REBEL EMP235ic, 15 FT. WITH CART MULTI-PROCESS WELDER
- MIG, STICK and TIG (DC)
- Dual voltage 120V/230V maximum 250 amp output
- 1/2" Max. Plate Thickness
- 4.3" Display, 53 lb. overall weight
- SmartMIG Technology: Continuously learns and adapts to the operators welding technique
- 3-Year Warranty

Item No.	Description
FPW **0558012702**	Multi-Process Welder
FPW **0558012704**	Multi-Process Welder with 0558102491 Cart (as shown)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ESAB REBEL EMP285ic, 15 FT. WITH CART MULTI-PROCESS WELDER
- MIG/Stick/TIG (DC)
- Dual Voltage 120V/230V
- 1 Phase (3 Phase Available)
- 5-300 Amps
- Welds 1/2" Plate Thickness
- 4.3" Display, 70 lb. overall weight
- SmartMIG Technology: Continuously learns and adapts to the operators welding technique
- 3-Year Warranty

Item No.	Description
FPW **0558102554**	120V-230V 1 ph Welder
FPW **0558102555**	120V-230V 1 ph Welder with 0558102491 Cart (as shown)
FPW **0558102556**	460V –575V 3 ph Welder
FPW **0558102557**	460V –575V 3 ph Welder with 0558102491 Cart

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

WARNING: Always wear eye and face protection.

TXH201 12.5 FT. TIG TORCH FOR REBEL 235

- 26 Style air-cooled torch
- 12.5 ft. length
- Rated up to 200 amps
- Remote on/off current control
- 50mm Male dinse connection
- Accy Kit (1 each of 1/16", 3/32", 1/8" collets, collet bodies, and tungsten
- No. 5, 6, 7 alumina nozzles
- Long and short back cap

FPW **0558102493**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

TWECO 160A SPOOL GUN

- 12 foot length
- 160 amp capacity
- Duty cycle - 20% at 160 amps
- Wire size - .023 - .035
- Max spool size - 4 in diameter
- Drive Motor - DC 24 volt
- 30 Day warranty - parts and labor
- Compatible With ESAB Rebel 215 units

Contents: Spoolgun, (2) Each contact tips - .023 | .035, (2) Gas diffusers, (2) Nozzles, Operators manual, Carrying case

FPW **1027-1397**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

12 FT. TWECO 200A SPOOL GUN

- Direct connect to Rebel 235 units
- Weight: 6.4 lbs.
- Length: 12 ft.
- Ready-to-weld .035/.045 wire
- Protective power cable sleeve
- Adjustable drive roll tension lever
- Duty cycle: 60% @ 200 amps

Contents: Spool gun with carrying case, 11 Series contact tips: (2) .035 | (3) .045, 51 Series diffusers (1) each, 21 Series nozzles (1) 50F each, Steel and Teflon jump liners, Owners Manual

FPW **1027-1398**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

25 FT. TWECO 200A SPOOL GUN

- Direct connect to Rebel 235 units
- Weight: 6.4 lbs.
- Length: 25 ft.
- Ready-to-weld .035/.045 wire
- Protective power cable sleeve
- Adjustable drive roll tension lever
- Duty cycle: 60% @ 200 amps

Contents: Spool gun with carrying case, 11 Series contact tips: (2) .035 and (3) .045, (1)51 Series diffusers, 21 Series nozzles (1) 50F, Steel and Teflon jump liners, Owners Manual

FPW **1027-1399**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FOOT CONTROL

- Provides remote on/off contactor and amperage control for your ESAB® Rebel™ welder.
- This medium duty remote foot control comes with 15' cable and 8 pin amphenol plug

FPW **W4014450**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

REBEL WELDING CART

- Designed specifically for the ESAB REBEL 235 and 285 units and is suitable for REBEL 215 and 205 machines
- Holds up to a 7" Diameter Cylinder
- Under-storage rack for accessories
- Heavy-duty rubber wheels
- Front Casters for easy movement
- Welder sold separately

FPW **0558102491**

Item No.	Description
FPW **0558102491**	Rebel Single Cyclinder Cart
FPW **0558102492**	Rebel Dual Cylinder Cart

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FOR USE WITH TWECO 180 MIG GUN (REBEL SERIES EMP205/EMP215)

Item No.	Description
FPW **1110-1308**	VTS-23 Tweco Tip .023 10PK
FPW **1110-1309**	VTS-30 Tweco Tip .030 10PK
FPW **1110-1310**	VTS-35 Tweco Tip .035 10PK
FPW **1110-1311**	VTS-40 Tweco Tip .040 10PK
FPW **1110-1312**	VTS-45 Tweco Tip .045 10PK

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FOR USE WITH TWECO 180 MIG GUN (REBEL SERIES EMP205/EMP215)

Item No.	Description
FPW **1220-1201**	Tweco VNS-50 1/2 Nozzle-Recess 2PK
FPW **1220-1200**	Tweco VNS-50F 1/2 Nozzle-Flush 2PK
FPW **1220-1203**	Tweco VNS-62 5/8 Nozzle-Recess 2PK
FPW **1220-1202**	Tweco VNS-62F 5/8 Nozzle-Flush 2PK
FPW **1220-1206**	Tweco VNS-37 3/8 Nozzle-Recess 2PK
FPW **1220-1204**	Tweco VNS-37F 3/8 Nozzle-Flush 2PK

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FOR USE WITH SPRAY MASTER 250 MIG GUN (REBEL SERIES EMP235/ EMP285)

Item No.	Description
FPW **1110-1201**	Tweco Tip 11H-30 .030 25PK
FPW **1110-1202**	Tweco Tip 11H-35 .035 25PK
FPW **1110-1203**	Tweco Tip 11H-40 .040 25PK
FPW **1110-1204**	Tweco Tip 11H-45 .045 25PK

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FOR USE WITH SPRAY MASTER 250 MIG GUN (REBEL SERIES EMP235/ EMP285)

Item No.	Description
FPW **1220-1305**	Tweco 22-37 Series 3/8 Nozzle-Recess 2PK
FPW **1220-1306**	Tweco 22-50 Series 1/2 Nozzle-Recess 2PK
FPW **1220-1311**	Tweco 22-50F Series 1/2 Nozzle-Flush 2PK

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

WARNING: Always wear eye and face protection.

Firepower

The Firepower MST 140i and MST 180i 3-in-1 machines come complete with all the necessary MIG & Stick components which gives even a beginner the capability to weld immediately, right out of the box. Both machines feature MIG, Stick, and TIG processes in a unit that weighs 33 pounds. Farms/Ranches, auto-applications or on-site repair work are just some of the many things that both machines can do. The MST's both come with a Quick Start guide that walks you through the machine set-up in four simple steps. The MST 140i uses the 115 VAC, which allows you to weld virtually anywhere. The MST 180i comes with more power, using 208/230V and a maximum output of 180 Amps. The MST 180i is Spool Gun capable for Aluminum MIG welding. With the MST 140i and MST 180i you can be welding like a pro in no time.

MST 140I MULTI-PROCESS WELDING SYSTEM

Includes

Firepower MST 140i Power Supply, Firepower 140 Amp MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 2 Drive Rolls and Contact Tips, 15-20 Amps Power Adapter, Shoulder Strap, and CD with Multi-Language Operating Instructions

Applications

Farms/Ranches, Auto Applications, On-Site Repair - Does not work with Spool Gun

Specifications

Maximum Output.....140 Amp
MIG (GMAW/FCAW)
Welding Output @104°F (40°C) .....140A / 19V @ 15% Duty Cycle
.....90A / 18.5V @ 20% Duty Cycle
STICK (SMAW)
Welding Output @104°F (40°C) .....90A / 23V @ 15% Duty Cycle
.....80A / 23.2V @ 35% Duty Cycle
TIG (GTAW)
Welding Output @104°F (40°C) .....140A / 15.6V @ 15% Duty Cycle
.....100A / 14V @ 20% Duty Cycle
Current Range.....10 – 140 Amp
MIG Welding Voltage Range.....14.5 – 19 Volt
Wirefeed Speed Range ..... 90 – 390 IPM (2.3 – 9.9m/min)
Nominal OCV Volt/DC .....53 Volt
Maximum Plate Thickness.....1/8" (3.2mm)*

FPW **1444-0870**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

MST 180I MULTI-PROCESS WELDING SYSTEM

Includes

Firepower MST 180i Power Supply, Firepower 180 MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 2 Drive Rolls & Contact Tips, Standard 230V Plug, Shoulder Strap, and CD with Multi-Language Operating Instructions

Applications

Farms/Ranches, Auto Applications, On-Site and Maintenance Repair

Specifications

Maximum Output.....180 Amp
MIG (GMAW/FCAW)
Welding Output @104°F (40°C) .....180A / 23V @ 20% Duty Cycle
145A / 22.5V @ 30% Duty Cycle
STICK (SMAW)
Welding Output @104°F (40°C) .....175A / 27V @ 20% Duty Cycle
140A / 25.6V @ 30% Duty Cycle
TIG (GTAW)
Welding Output @104°F (40°C) .....175A / 17V @ 25% Duty Cycle
160A / 16.4V @ 30% Duty Cycle
Current Range.....10 – 180 Amp
MIG Welding Voltage Range.....14.5 – 26 Volt
Wirefeed Speed Range ..... 100 – 650 IPM (2.5 – 16.5 m/min)
Nominal OCV Volt/DC .....62 Volt
Maximum Plate Thickness.....1/4" (6.4mm)

FPW **1444-0871**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

The Firepower MST 220i has it all. It's the only machine in the 3-in-1 line that offers 115 and 208/230V, and provides MIG, Stick and TIG welding outputs for use anywhere. Portable enough to take to the job site, yet with 210 Amps maximum output, it has the power to meet your large job demands. This welding system is perfect for automotive repair and customization, mechanical contractors, farms/ranches, maintenance and repair, and garage and job shops. The MST 220i allows you to choose the best process for your applications. The MIG process provides maximum productivity in the shop, while the Stick process works ideally outdoors, and TIG is for those welding applications that require more precise control. The MST 220i is also Spool Gun capable for Aluminum MIG welding. There is no other machine like the MST 220i, it's a "must have" powerhouse!

MST 220I MULTI-PROCESS WELDING SYSTEM

Includes

Firepower MST 220i Power Supply, Firepower 220 Amp MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 230V-115V Adapter Plug & Cable, 2 Drive Rolls & Contact Tips, Spring used for small 2lb rolls, and CD with Multi- Language Operating Instructions

Applications

Farms/Ranches, Auto Applications, On-Site and Maintenance Repair.

Specifications

Maximum Output.....210 Amp
MIG (GMAW/FCAW)Welding
Output @104°F (40°C) ..... 110A / 19.5V @ 45% Duty Cycle (115V)
..... 210A / 23.5V @ 20% Duty Cycle (230V)
STICK (SMAW)Welding
Output @104°F (40°C) ..... 110A / 24.8V @ 35% Duty Cycle (115V)
..... 200A / 25V @ 25% Duty Cycle (230V)
TIG (GTAW)Welding
Output @104°F (40°C) ..... 150A / 16V @ 35% Duty Cycle (115V)
..... 200A / 18V @ 25% Duty Cycle (230V)
Current Range..... 10 – 150 Amp (115V), 10 – 210 Amp (230V)
MIG Welding Voltage Range..... 14 – 30 Volt
Wirefeed Speed Range..... 100 – 600 IPM (2.5 – 15.2m/min) @ 230V
..... 100 – 400 IPM (2.5 – 10.2m/min) @ 115V
Nominal OCV Volt/DC..... 62 Volt
Maximum Plate Thickness.....$^{3}/_{8}$" (12.7mm)

FPW **1444-0872**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FIREPOWER MIG GUNS WITH VELOCITY ™ CONSUMABLES

- Ideal for light to medium gauge work in agriculture, architectural metal work, auto-body, DIY/hobbyist, HVAC, off-road vehicles, RV/campers, production welding, repair maintenance and general light fabrication.
- Operator appeal with ergonomic handle with diamond pattern for better grip and extended trigger length.
- Full range up to 220 Amps @ 40% Duty Cycle.
- Features new high performance Velocity™ Consumables.
- CE rated outputs and duty cycles.
- Rugged with steel spring strain relief.
- Built tough and designed to last.
- Best in class performance.

Part No.	Description	For Use With
FPW **1444-0881**	MIG Gun & Lead 180 Amps	MST 140i / MST 180i
FPW **1444-0882**	MIG Gun & Lead 220 Amps	MST 220i

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FPW **1444-0881**

FPW **1444-0882**

WARNING: Always wear eye and face protection.

Firepower

FP-135 MIG/FLUX CORED WELDER

Features

- FP-135 MIG/Flux-Cored Welder delivers a versatile and effective welding performance.
- Simple operation and easy to use key set up chart
- Operates from standard 115V household outlet and delivers 135 Amps

Includes

Tweco Gun, return cable & clamp, 6 ft (1.8 m) power cord and NEMA 5-15P 115V plug, spool of flux-cored wire and an operating manual.

Applications

Home DIY Hobbyist, Farm/Ranch, Maintenance & Repairs, General light duty fabrication & repair.

Specifications

Maximum output ..... 135 Amp
Duty cycle @ 104°F ..... 40% @ 90 Amp at 18V
Current range ..... 20-135 Amp
Number of voltage settings 4
Maximum plate thickness ..... 3/16" (4.8mm)
Wire diameter range ..... .023" - .035" (0.6 - 0.9mm)
Dimensions (H x W x D) ..... 12.75" x 9.75" x 17.35" (375mm x 250mm x 440mm)
Weight ..... 56 lbs (25.5 kg)
Maximum Input Current 50A
Approvals ..... CSA, ETL

Item No.	Description
FPW **1444-0326**	FP-135, MIG/Flux-Cored Welding System
FPW **1444-0346**	FP-135, Welding Kit. Includes: FP135 MIG welder, MIG welder cart, wire brush, auto-darkening helmet, chipping hammer and regulator

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FP-165 MIG/FLUX CORED WELDER

Features

- FP-165 MIG/Flux-Cored Welder delivers a very versatile and effective welding performance
- Simple operation and easy to use key set up chart
- Operates from standard 230V outlet and delivers 165 Amps

Includes

Tweco Gun, return cable & clamp, 6 ft (1.8 m) power cord and NEMA 6-50P 230V plug, spool of flux-cored wire and an operating manual.

Applications

Maintenance & Repairs, Farm/Ranch, Home DIY Hobbyist, General light duty fabrication & repair.

Specifications

Maximum output ..... 165 Amp
Duty cycle @ 104°F ..... 20% @ 130 Amp at 30V
Current range ..... 20-165 Amp
Number of voltage settings 4
Maximum plate thickness ..... 1/4" (6.4mm)
Wire diameter range ..... .023" - .035" (0.6 - 0.9mm)
Dimensions (H x W x D) ..... 12.75" x 9.75" x 17.35" (375mm x 250mm x 440mm)
Weight ..... 60 lbs (27.3 kg)
Maximum Input Current 35A
Approvals ..... CSA, ETL

Item No.	Description
FPW **1444-0328**	FP-165 MIG/Flux-Cored Welding System
FPW **1444-0348**	FP-165 Welding Kit. Includes: FP165 MIG welder, MIG welder cart, wire brush, auto-darkening helmet, chipping hammer and regulator

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

WARNING: Always wear eye and face protection.

MIG SPOOL GUN 160A EURO

Features

- Interfaces with firepower MST 180i and 220i 3-in-1 welders
- Rated 20% duty cycle at 160 amps
- Uses 11-series tips and nozzles

Applications

The MIG Spool Gun allows the use of Aluminum in welding applications.

Contents

Firepower Spool Gun 160A, Custom Carrying Case, 12 ft (4m) Cable with Euro-Kwik Connector, Conductor Tube, 2 - 0.023" (0.6mm) 11-Series Contact Tips, 4 - 0.035" (0.9mm) 11-Series Contact Tips, 2 - 1/2" (12.7mm) 11-Series Nozzle, 2 - Gas Diffusers.

FPW **1444-0894**

*** Wire spool not included.**

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

TWECO® SPOOL GUN

Features

- Excellent service and ease of operation
- Easy to use
- Comfortable handle design
- Designed for do-it-yourself
- Quick disconnect conductor tube applications
- 160 Amp 20% duty cycle

Applications

These Tweco Spool Guns allow for the use of Aluminum in welding applications. For use with: Thermal Arc® Fabricators 141i, 181i, 211

FPW **1027-1390**

*** Wire spool not included.**

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

SPOOL GUN

Firepower's® semi-automatic spool gun is designed to effectively weld aluminum, stainless steel and mild steels. The best spool gun value available today. Designed to be used with either FP 200 or FP 260. No internal machine adjustment required!

Features

- Amps: 200, 60% duty cycle
- Compact design maximizes hand and arm fatigue
- Gun mounted potentiometer allows the user to weld and control wire speed with one hand operation

Contents: Quick connect cable system: 20 ft., Spool gun, MIG gun nozzle, Contact Tips: .030" , Only works with Firepower® products

FPW **1444-0408**

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1444-0025**

MIG 11 & 14-SERIES TWECO® STYLE CONTACT TIPS

Item No.	Description
FPW **1444-0025**	MIG 11-Series .023" Contact Tip 10 PK
FPW **1444-0026**	MIG 11-Series .030" Contact Tip 10 PK
FPW **1444-0027**	MIG 11-Series .035" Contact Tip 10 PK
FPW **1110-1103**	MIG 11-40 Series .035" Contact Tip 25 PK
FPW **1444-0029**	MIG 11-Series .040" Contact Tip 10 PK
FPW **1444-0220**	MIG 14-Series .023" Contact Tip 10 PK
FPW **1444-0221**	MIG 14-Series .030" Contact Tip 10 PK
FPW **1444-0222**	MIG 14-Series .035" Contact Tip 10 PK
FPW **1444-0224**	MIG 14-Series .045" Contact Tip 10 PK

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

MIG VELOCITY™ CONTACT TIPS

Item No.	Description
FPW **1444-0890**	.023" Contact Tip 10 PK
FPW **1444-0891**	.030" Contact Tip 10 PK
FPW **1444-0892**	.035" Contact Tip 10 PK
FPW **1444-0893**	.045" Contact Tip 10 PK

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1444-0890**

FPW **1444-0050**

MIG 11 & 14-SERIES TWECO STYLE NOZZLES

Item No.	Description
FPW **1444-0050**	MIG 11-Series 3/8" Nozzle Flush
FPW **1444-0051**	MIG 11-Series 1/2" Nozzle Flush
FPW **1444-0052**	MIG 11-Series 5/8" Nozzle Flush

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

MIG VELOCITY NOZZLE

Item No.	Description
FPW **1444-0886**	1/2" Nozzle Flush

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

MIG GUNS WITH TWECO® 11-SERIES CONSUMABLES

Item No.	Description	For Use With
FPW **1444-0413**	MIG Gun 200 Amps (Requires *FPW* **1444-0417** Adapter when replacing a Tweco® Style MIG Gun with a Helvi Gun)	FP-120, FP-130 & FP-160
FPW **1444-0406**	MIG Gun 300 Amps (Euro-Kwik Connector, Max Output Amps 230/270)	F P-200 & FP-260
FPW **1444-0417**	Adapter Tweco MIG Gun converted to Euro-Kwik	Tweco MIG Guns

WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1444-0413**

WARNING: Always wear eye and face protection.

TIG 200 ACDC TIG AND STICK WELDER

Features

- HF TIG (GTAW), Lift TIG (GTAW), Stick (SMAW)
- 200 Amps of TIG Welding Output
- Smooth & Stable Arc Performance
- Includes 8-Pin Receptacle for On/Off & Amp Control at the TIG Torch
- Gas Solenoid Valve is Built-in
- Lightweight and Portable Inverter Design

Includes

TIG 200 ACDC System, Ground Clamp & Electrode Holder, TIG Torch & Accessories, Flow Meter Regulator, 3 trigger Modules, Flow Gauge Hose 12.5 ft (3.8 m), 10 ft (3 m) Power Cord & NEMA 6-50P 230V AC Plug, Shoulder Strap and Operation Manual & CD.

Applications

TIG WELDING (GTAW) - The TIG 200 ACDC is capable of TIG welding up to 200 Amps and a wide range of materials from aluminum to mild and stainless steel. Welding up to 1/4" plate, this machine can deliver superior TIG welding performance with a smooth and stable arc down to 10 Amps.

STICK WELDING (SMAW) - The TIG 200 ACDC delivers up to 170 Amps of welding power and provides professional performances on a wide variety of materials. With the 208/230V output it has more power to handle the biggest jobs.

Specifications

Maximum Output..... 200 Amp
STICK (SMAW) Welding.....170A / 26.6V @ 16% Duty Cycle
Output @104°F (40°C) .....150A / 26V @ 25% Duty cycle 150A / 26V @ 100% Duty Cycle
TIG (GMAW) Welding..... 200A / 18V @ 20% Duty Cycle
Output @104°F (40°C) .....180A / 17.2V @ 25% Duty cycle 150A / 16V @ 35% Duty Cycle
Current Range Stick: ..... 5-170 Amps TIG: 10-200 AC 5-200 DC
Dimensions (H x W x D).....15.75" x 9.45" x 18.7" (400mm x 240mm x 475mm)
Weight.....48.4 lbs (22 kg)
Phase.....1 PH
Maximum Input Current..... 35.6 Amp
Approvals .....IP23S, EN 60974-1, CSA, ETL

FPW **1442-0032**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TIG TORCH 17V

Features

- 50mm Dinse Connector TIG 160S) with 25mm Dinse Adapter (95S)
- Includes Valve Knob for Shielding Gas
- 12.5' (3.8 m) Lead Length
- Gas Hose attached to Torch

Applications

Designed for use with ThermalArc® 95 S & FP TIG 160S.

Note: TIG accessories not included.

FPW **1442-0053**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TIG TORCH SWCUR 17V AND 26V

Features

- 50mm Dinse Connector (25mm Dinse Adapter on *FPW* **1442-0020** for MST 140i)
- 12' (3.6 m) Lead Length
- Valve Knob for Shielding Gas
- On/Off Switch
- Includes Set of Accessories: 2 Collets, 2 Collet Bodies, 2 Cup Aluminas, 2 Tungsten Electrodes, and a Short and Long Back Cap

Applications

Designed for use with MST 140i, MST 180i, MST 220i and Fabricator 141i, 181i & 211i.

NOTE: TIG accessories not included.

Item No.	Description	For Use With
FPW **1442-0020**	TIG Torch 17V (with 1442-0065 Accessories)	MST 140i & MST 180i
FPW **1442-0021**	TIG Torch 26V (with 1442-0066 Accessories)	MST 220i

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

TIG TORCH 17 AND 26 SWCUR

Features

- 50mm Dinse Connector
- 12.5' (3.8 m) Lead Length
- No Shielding Gas Valve on Torch (Gas is controlled by power supply)
- Foot Switch Control Not Needed, but can be used
- TIG Torch 17: On/Off switch with current control
- TIG Torch 26: On/Off switch with current control and 2 additional interchangeable Amp modules

FPW **1442-0022**

Applications

Designed for use with TIG 140 ACDC, TIG 200 ACDC, and Fabricator 252i.

NOTE: TIG accessories not included.

Item No.	Description	For Use With
FPW **1442-0022**	TIG Torch 17 SWCUR	TIG 140 ACDC, 141 ACDC
FPW **1442-0050**	TIG Torch 26 SWCUR	TIG 200 ACDC, 186 ACDC

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TIG ACCESSORY KITS

Applications

The TIG Accessory Kit Comes with All Consumables Necessary for TIG Torch operation.

FPW **1442-0065**

Contents

	FPW **1442-0065**	*FPW* **1442-0066**
Collets	.040" & 1/16"	3/32" & 1/8"
Collet Bodies	.040" & 1/16"	3/32" & 1/8"
Cup Aluminas	# 4 & 5	# 6 & 7
Tungsten Ceriated	.040" & 1/16"	3/32" & 1/8

Item No.	Description	Output Amps
FPW **1442-0065**	TIG Accessory Kit .040" & 1/16"	20-115†
FPW **1442-0066**	TIG Accessory Kit 3/32" & 1/8"	100-225†

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TIG FOOT CONTROL

Features

- Comes with 15' Cable and 8-Pin Amphenol Plug

Applications

Provides On/Off contactor and amperage control for your Firepower MST 140i, MST 180i, MST 220i, TIG 140 ACDC, TIG 200 ACDC, Fabricators 141i, 181i, 211i, 252i and Thermal Arc 186 ACDC

FPW **1442-0025**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

BASIC UTILITY CART

Features

- Sturdy handle makes transporting welders/cutters easy
- Designed for most portable Welding/Cutting systems
- Rugged Solid Steel Construction
- Easy-rolling 8" (203mm) diameter wheels
- 3" (76mm) front-mounted casters
- Accommodates up to 9" (229mm) diameter Cylinder with Included Chains

For Use With

MST 140i, 180i, 220i, FP-95, 125, 135, 165
Thermal Arc 95 S, TIG 160S, TIG 140 ACDC & 200 ACDC
Cutmaster 42, 52, 82, CutSkill C-20A, C-35A, C-70A
AirCut 15C, Fabricator 141i, 181i, & 211i, Fabricator 186 ACDC

FPW **1444-0900**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

DELUXE WELDING/CUTTING CART

Features

- Single Cylinder Rack Accommodates up to 9" (229mm) diameter Cylinder
- Large Accessory Drawer and Consumable Compartment
- Includes MIG/TIG Parts Storage Box
- Rugged Solid Steel Construction
- Designed for Most Firepower Welders/Cutters
- Includes Chain for Holding Tank

For Use With

MST 140i, 180i, 220i, FP-95, 125, 135, 165
Thermal Arc 95 S, TIG 160S, TIG 140 ACDC & 200 ACDC
Cutmaster 42, 52, 82, CutSkill C-20A, C-35A, C-70A
AirCut 15C, Fabricator 141i, 181i, & 211i, 252i, Fabricator 186 ACDC

FPW **1444-0901**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WELDING/CUTTING CART

Features

- Fits Many Firepower Welders/Cutters (not MST 220i)
- Accommodates up to 9" (229mm) diameter Cylinder with Included Chain
- Holds Welders/Cutters on Top Tray
- Sturdy and Durable Construction

For Use With

MST 140i & 180i, FP-95, 125, 135, 165
Thermal Arc 95 S, TIG 160S, TIG 140 ACDC & 200 ACDC
Cutmaster 42, AirCut 15C, Fabricator 141i & 181i

FPW **1444-0407**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

TYPE 6011 MILD STEEL ARC WELDING ELECTRODES

Features

- Premium AWS Class E-6011
- Mild steel type
- Deep penetration, welds through rust, scale, oil and dirt
- Use when you are unable to prepare the welding surface
- AC or DC, reverse polarity
- 60,000 PSI tensile strength
- All position electrode

Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0115**	*FPW* **1440-0116**	*FPW* **1440-0117**	*FPW* **1440-0118**
1/8"	*FPW* **1440-0105**	*FPW* **1440-0106**	*FPW* **1440-0107**	*FPW* **1440-0108**
5/32"	*FPW* **1440-0095**	*FPW* **1440-0096**	*FPW* **1440-0097**	*FPW* **1440-0098**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TYPE 6013 MILD STEEL ARC WELDING ELECTRODES

Features

- Premium AWS Class E-6013
- Mild steel type
- Designed for General Purpose
- Excellent for low heat applications
- Best used with clean or prepared welding surface
- AC or DC, reverse polarity
- 60,000 PSI tensile strength
- All position electrode

Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0145**	*FPW* **1440-0146**	*FPW* **1440-0147**	*FPW* **1440-0148**
1/8"	*FPW* **1440-0134**	*FPW* **1440-0135**	*FPW* **1440-0136**	*FPW* **1440-0137**
5/32"	*FPW* **1440-0124**	*FPW* **1440-0125**	*FPW* **1440-0126**	*FPW* **1440-0127**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TYPE 7014 IRON POWDER ARC WELDING ELECTRODES

Features

- Premium AWS Class E-7014
- Iron powder type
- Designed for high deposition and high electrode travel speed
- Medium to low penetration
- Best used with clean or prepared welding surface
- AC or DC, reverse polarity
- 70,000 PSI tensile strength
- All position electrode

Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0205**	*FPW* **1440-0206**	*FPW* **1440-0207**	*FPW* **1440-0208**
1/8"	*FPW* **1440-0200**	*FPW* **1440-0201**	*FPW* **1440-0202**	*FPW* **1440-0203**
5/32"	*FPW* **1440-0150**	*FPW* **1440-0151**	*FPW* **1440-0152**	*FPW* **1440-0153**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

TYPE 7018 LOW HYDROGEN ARC WELDING ELECTRODES

Features

- Premium AWS Class E-7018
- Low Hydrogen Type
- Designed to produce X-Ray quality welds
- Medium penetration
- Best used with clean or prepared welding surface
- AC or DC, either polarity
- 70,000 PSI tensile strength
- All position electrode

Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0195**	*FPW* **1440-0196**	*FPW* **1440-0197**	*FPW* **1440-0198**
1/8"	*FPW* **1440-0185**	*FPW* **1440-0186**	*FPW* **1440-0187**	*FPW* **1440-0188**
5/32"	*FPW* **1440-0180**	*FPW* **1440-0181**	*FPW* **1440-0182**	*FPW* **1440-0183**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

ELECTRODES JOB PACKS

Item No.	Description	No. Rods
FPW **1440-0400**	Bronze Flux Coated Brazing Rods, 3/32" diameter x 14" long; No brazing flux needed	4
FPW **1440-0401**	Bronze Bare Brazing Rods, 3/32" diameter x 14" long; Requires brazing flux	4
FPW **1440-0402**	E4043 Aluminum Welding Electrodes, 1/8" diameter x 14" long; Use with ANY Aluminum Application	3
FPW **1440-0405**	6013 General Purpose Electrodes, 1/16" x 10" long	4
FPW **1440-0406**	General Purpose Electrodes, 3/32" diameter x 14" long; Excellent for use with all types of Arc Welders	4
FPW **1440-0411**	Nickel 55 Welding Electrodes, 1/8" diameter x 14" long	4
FPW **1440-0441**	6011 Mild Steel 3/32" diameter x 14" long	4

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1440-0413**

MILD STEEL / E6024 QUICK START ELECTRODES

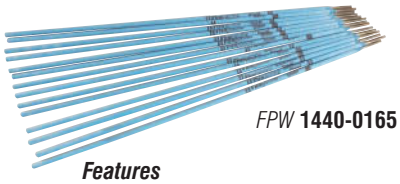
Applications

Mild steel type electrode has a special quick start tip. Stable arc and automatic action that makes it easy to use on thin metals requiring low amperage. Features self-cleaning action that works well in all positions. Tensile Strength 60,000 PSI.

Amperage Recommendations		
AMPS	Diameter	Current
25-90	1/16"	AC/DC

Item No.	Description
FPW **1440-0412**	1/16" 1 lb.
FPW **1440-0413**	1/16" 5 lbs.

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov



STAINLESS STEEL / 308 STAINLESS STEEL ELECTRODES

FPW **1440-0165**

Features

- For welding all 200 and 300 series stainless up to and including 308
- Provides equal or better corrosion resistance than the base metal
- Can be used for fabricating and repairing austenitic manganese steel

Item No.	Description
FPW **1440-0165**	3/32" x 14" 1 lb. box
FPW **1440-0155**	1/8" x 14" 1 lb. box
FPW **1440-0156**	1/8" x 14" 5 lbs. box

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1440-0449**

NICKEL BASE / EST CAST IRON ELECTRODES (NON-MACHINABLE, STEEL CORE)

Applications

This cast iron electrode is specifically developed for dirty and oil soaked cast iron applications. It is also ideal for heat affected cast iron repairs. This electrode offers the least expensive method of repairing cast iron. Great for repairing castings, transmission housings, etc. Non-Machinable. Tensile strength 62,000 PSI. Elongation 20%

Amperage Recommendations		
AMPS	Diameter	Current
70-125	1/8"	AC/DC - DC+ recommended

Item No.	Description
FPW **1440-0449**	1/8" 1 lb.
FPW **1440-0443**	1/8" 5 lbs.

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1440-0083**

NICKEL BASE / ENIFECL NICKEL 55 CAST IRON ELECTRODES (MACHINABLE)

Applications

The most versatile cast iron electrode. The best solution for repairing cast iron, heavy cast iron sections. The smooth arc characteristics produce strong, sound welds at low amps. Repairs cylinder blocks, exhaust manifold, and machine bases. Tensile strength 70,000 PSI. Elongation 12%

Amperage Recommendations		
AMPS	Diameter	Current
70-90	3/32"	AC/DC - DC+ recommended
80-120	1/8"	

Item No.	Description
FPW **1440-0440**	3/32" Job pack (3 rods)
FPW **1440-0083**	1/8" 1 lb.

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

WARNING: Always wear eye and face protection.

Firepower

FPW **1440-0425**

NICKEL BASE / ENICL PURE NICKEL 99% CAST IRON ELECTRODES (MACHINABLE)

Applications

The highest quality nickel electrode available. Welds well in all positions. The high (99%) nickel content has a natural attraction to cast iron giving it superior performance when welding cast iron material. Nickel 99 can be used on cast iron parts that are subject to heating and cooling, such as engine blocks, cylinder heads, exhaust manifolds, etc. Excellent machinability. Tensile strength 55,000 PSI. Elongation 10%

Amperage Recommendations		
AMPS	Diameter	Current
70-90	3/32"	AC/DC - DC+ recommended
80-110	1/8"	

Item No.	Description
FPW **1440-0423**	3/32" Job pack (5 rods)
FPW **1440-0424**	1/8" Job pack (3 rods)
FPW **1440-0425**	1/8" 1 lb
FPW **1440-0374**	1/8" 5 lbs

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1440-0419**

ALUMINUM / E4043 ALUMINUM ARC ELECTRODES

Applications

This flux coated aluminum electrode is designed to give a weld with strength ductility and corrosion resistance equal to parent metal. Applications include aluminum, sheet metal, plates, castings, tanks and piping. Tensile strength 34,000 PSI. Elongation 18%.

Amperage Recommendations		
AMPS	Diameter	Current
0-120	1/8"	DC+

Item No	Description
FPW **1440-0419**	1/8" 1 lb.
FPW **1440-0420**	1/8" 5 lbs.

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

FPW **1440-0081**

HARD FACING ELECTRODES

Applications

This high quality, all purpose electrode produces outstanding impact and abrasion resistance. The high deposition rate prolongs surface life of new and worn parts. Ideal for repairing all types of agriculture, construction equipment, auger, buckets, concrete mixers, etc.

Amperage Recommendations	
AMPS	Diameter
110-140	1/8"

Item No.	Description
FPW **1440-0080**	1/8" 1 lb. tube, #35 High Abrasion/Hard facing
FPW **1440-0081**	1/8" 5 lbs. box, #35 High Abrasion/Hard facing

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

CUTTING ELECTRODES

Applications

A special heavy duty coating produces 7000° heat at high-arc velocity. Use this electrode for a fast, low-cost means of cutting cast iron and stainless steel without special equipment. Current AC.

FPW **1440-0426** 1/8" 1 lb.

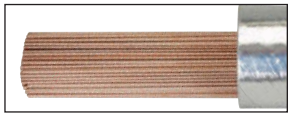
⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

OXYGEN / ACETYLENE MILD STEEL (COPPER COATED)

Applications

Low carbon steel rod manufactured to the highest quality standards. Copper coating prevents rusting and improves corrosion resistance. A great rod for shop, home, commercial and maintenance repairs. 65,000 PSI tensile strength.

Item No.	Description
FPW **1440-0442**	1/16" x 18" 5 lbs.
FPW **1440-0433**	3/32" x 36" 10 lbs.



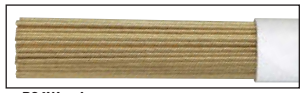
⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

MANGANESE BRONZE BARE GAS RODS

Applications

Bare brazing rod low fuming highest quality. Balanced zinc and copper alloy. Excellent for brazing fenders, radiators, water tanks and sheet metal. 63,000 PSI tensile strength.

Item No.	Description
FPW **1440-0428**	1/8" x 36" 5 lbs.



⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

MANGANESE BRONZE FLUX COATED GAS RODS

Applications

Flux coated, low fuming brazing rod. Provides all properties for best tensile strength and ductility. Rod fuses well with cast iron, malleable iron, galvanized iron, steel, brass and copper. 65,000 PSI tensile strength.

Item No.	Description
FPW **1440-0431**	3/32" x 36" 1 lb.
FPW **1440-0429**	3/32" x 36" 5 lbs.
FPW **1440-0430**	1/8" x 36" 5 lbs.

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

EASY-FLO ALUMINUM BRAZING ROD

Applications

Aluminum rod is excellent for all types of sheet or cast aluminum. This product greatly simplifies the process and requires no flux. Applications include aluminum boats, lawn equipment, outboard motors and castings.

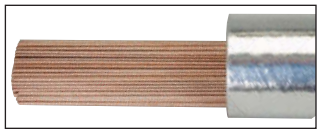
FPW **1440-0434** 1/8" x 18" 1 lb

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

GAS WELD ELECTRODES

1/16" Diameter. 10 Lb. box.

FPW **1440-0432**



⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

WARNING: Always wear eye and face protection.

Firepower

ALUMINUM SOLID WIRE / ER5356 MIG WIRE ALUMINUM

Features

- For aluminum MIG welding
- Best when used with a clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity

FPW **1440-0240**

Item No.	Spool Size	Wire Size	AWS Class
FPW **1440-0240**	1 lb.	.030"	ER 5356
FPW **1440-0241**	1 lb.	035"	ER 5356
FPW **1440-0445**	3 lbs.	.035"	ER 5356

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

FLUX CORED WIRE / E71T-GS FLUXED CORED

Features

- Premium AWS CLASS E 71T-GS
- Also called "Self-Shielding" or "Gasless"
- For general purpose MIG welders
- Designed to be used on mild steel
- Best used with clean or prepared welding surface
- Requires no shielding gas
- DC straight polarity

FPW **1440-0230**

Item No.	Spool Size	Wire Size
FPW **1440-0230**	2 lbs.	.030"
FPW **1440-0231**	10 lbs.	.030"
FPW **1440-0235**	2 lbs.	.035"
FPW **1440-0236**	10 lbs.	.035"

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

MILD STEEL SOLID WIRE / ER70S-6 MIG WIRE SOLID

Features

- Premium AWS CLASS ER70S-6
- For general purpose MIG welding
- Designed to be used on mild steel
- Best used with clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity

FPW **1440-0210**

Item No.	Spool Size	Wire Size
FPW **1440-0210**	2 lbs.	.023"
FPW **1440-0211**	11 lbs.	.023"
FPW **1440-0212**	33 lbs.	.023"
FPW **1440-0215**	2 lbs.	.030"
FPW **1440-0216**	11 lbs.	.030"
FPW **1440-0217**	33 lbs.	.030"
FPW **1440-0220**	2 lbs.	.035"
FPW **1440-0221**	11 lbs.	.035"
FPW **1440-0222**	33 lbs.	.035"
FPW **1440-0447**	33 lbs.	.045"

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

STAINLESS STEEL SOLID WIRE / ER 308L MIG WIRE STAINLESS STEEL

Features

- Premium AWS CLASS ER308L
- For stainless steel MIG welding
- Best when used with a clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity

FPW **1440-0245**

Item No.	Spool Size	Wire Size
FPW **1440-0245**	2 lbs.	.030"

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

HAND WELDING SHIELD

Features

- Streamlined, compact design allows welders to get into tight places
- Meets or Exceeds: ANSI Z87-1, CE and various International Standards
- Dimensions 2" x 4.25"

FPW **1423-4100**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WELDING HELMET

Features

- Streamlined, compact design allows welders to get into tight places
- Meets or Exceeds: ANSI Z87-1, CE and various International Standards
- 4.5" x 5.25" (Economy, Black)

FPW **1441-0023**

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

POLYCARBONATE COVER/SAFETY PLATE

Features

- Polycarbonate clear safety or cover plates, as components of welding goggles or helmets exceed the high velocity.
- Functions as either cover or safety plate

Item No.	Description	Size
FPW **1441-0048**	Polycarbonate Cover/Safety Plate	2" x 4.25"
FPW **1441-0050**	Polycarbonate Cover/Safety Plate	4.5" x 5.25"

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower ESAB

ESAB SENTINEL A50 WELDING HELMET

- 3-Year Warranty
- Streamlined Shell Design
- Ergonomic Halo 5-point Headgear
- Hypervisible LCD control panel with 8 memory settings
- Spherical Front Cover Lens
- 3.93" x 2.36" viewing area, 1.4 lb.
- External Grind Button
- 4 Arc Sensors

FPW **0700000800**

Replacement parts

Item No.	Description
FPW **0700000823**	1 Front Cover Lens Clear HD
FPW **0700000824**	1 Front Cover Lens Amber HD
FPW **0700000802**	1 Front Cover Lens Clear
FPW **0700000803**	1 Front Cover Lens Amber
FPW **0700000804**	2 SENTINEL Helmet Shell
FPW **0700000806**	3 Auto-Darkening Filter (including 2 x CR2450 lithium battery)
FPW **0700000807**	4 2 x CR2450 lithium battery
FPW **0700000808**	5 Inside Cover Lens
FPW **0700000809**	6 Headgear Assembly (including sweat bands)
FPW **0700000810**	7 Front Sweat Band
FPW **0700000811**	8 Headgear
FPW **0700000812**	9 Rear Sweat Band
FPW **0367951001**	10 Magnifying Glass +1.0 Diopter
FPW **0367951002**	10 Magnifying Glass +1.5 Diopter
FPW **0367951003**	10 Magnifying Glass +2.0 Diopter
FPW **0367951004**	10 Magnifying Glass +2.5 Diopter
FPW **0700000619**	11 Sentinel Hard Hat Adapter*
FPW **0700000052**	12 Concept Hard Hat Yellow

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

ESAB SAVAGE A40 PROFESSIONAL AUTOMATIC WELDING HELMET

FPW **0700000490**

FPW **0700000491**

- External shade adjustment between DIN 9 and DIN 13 and an optical class of 1/1/1/2. Delay and sensitivity can be adjusted from the inside
- Four arc sensors for higher auto darkening response
- Wider coverage and a larger viewing area of 3.93 x 1.96 in. (100 x 50 mm) that offers a wide field of vision and increased spatial awareness
- Sensitivity control is an adaptable feature useful when welding low amp TIG for better reaction to darker arc light
- Delay control enabling the welder to set how long the lens stays dark after the welding arc stops. Short delay helps get the job done faster during tack welding, while longer delay is useful for high amperage welding
- Externally activated Grind Button. Shade 4 Grind Mode
- True Color-allowing for a brighter view and enhanced color definition

Item No.	Description
FPW **0700000490**	Black
FPW **0700000491**	Yellow

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

Firepower

FPW **1441-0085**

FPW **1441-0086**

FPW **1441-0087**

FPW **1441-0088**

PREMIUM FIREPOWER AUTO-DARKENING WELDING HELMETS

Features

- Four Arc Sensors for High Response
- Automatically Turns from Light to Dark and Dark to Light
- Adjustable Welding Shade Levels from 9 to 13
- Light Shade DIN Level
- "Sensitivity" Control Range
- Selection for Process Mode
- Solar-Powered
- "Delay" Adjustable Controls

Item No.	Description
FPW **1441-0085**	Pinstripes Auto-Darkening Welding Helmet
FPW **1441-0086**	Piston & Plug Auto-Darkening Welding Helmet
FPW **1441-0087**	Stars & Stripes Auto-Darkening Welding Helmet
FPW **1441-0088**	Skull & Fire Auto-Darkening Welding Helmet
FPW **WH41001-FL**	Front Cover Lens
FPW **WH41001-IL4**	Inside Cover Lens

⚠ **WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov**

WARNING: Always wear eye and face protection.

Firepower

Standard

King Size

TIP CLEANERS

Applications

Standard
- Set of 13 cleaners with file.
- Sizes #6 through #26 for cleaning Drill Size 77-49.

King Size
- Set of 13 cleaners Extra Long with file.
- Sizes #6 through #26 for cleaning Drill Size 77-49.

Item No.	Description
FPW **1423-0016**	Standard Tip Cleaner
FPW **0387-0487**	King Size Tip Cleaner

Clean Hole

Gauge	Wire Dia.	Ridge Dia.	Diameter Inch	Drill Size
6	0.014	0.016	.018-.020	77-76
7	0.018	0.020	.021-.022	75-74
8	0.021	0.023	.024-.026	73-71
10	0.024	0.026	.028-.031	70-68
12	0.028	0.030	.032-.035	67-65
14	0.032	0.034	.036-.038	64-62
15	0.035	0.038	.039-.040	61-60
16	0.037	0.040	.041-.042	59-58
17	0.039	0.042	.043-.046	57
18	0.042	0.044	.046-.051	56
22	0.048	0.050	.052-.055	55-54
24	0.055	0.057	.060-.064	53-52
26	0.062	0.065	.067-.073	51-49

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

WELD ROD STORAGE TUBE

Features
- Holds up to 10 lbs of 12" or 14" Electrodes

Applications

Weld rod storage tubes provide great storage for all your welding electrodes, rods and filler metals. Chloride-free and features a threaded cap with long lasting neoprene seal to keep electrodes airtight-preventing them from being contaminated with atmospheric moisture.

Item No.	Description
FPW **1421-0062**	Handy Guard, Weld Rod Storage Tube

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

STEEL GROUND CLAMPS

Features
- Large contact area assure positive grounding.
- Zinc plated.
- Large hex screw cable connection assures safe cable connection every time

Item No.	Amperage Capacity	Jaw Opening	Cable Capacity	Length
FPW **1443-0026**	300	Up to 2"	2–1	8"

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

#5 ANSI Z87.1 CSA CE

FIXED FRONT, WELDERS GOGGLE SOFT FRAME

Features

Filter Lens Shade 5 with soft vinyl frame to fit over corrective glasses and adjustable elastic headband.

FPW **1423-0017**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

#5 ANSI Z87.1 CE

FLIP FRONT, WELDERS GOGGLE SOFT FRAME

Features

Filter Lens Shade 5 raises easily for on-the-job versatility. Made soft vinyl frame to fit over corrective glasses and adjustable elastic headband.

FPW **1423-0018**

⚠ WARNING: Cancer and Reproductive Harm - www.P64Warnings.ca.gov

EVERCRAFT

SHOE-HANDLE WIRE BRUSH

Designed for removing carbon and paint from metal surfaces. Unique handle design for maximum comfort. Wood handle for positive grip. 1" trim.

BK **776-9076**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

CURVED HANDLE WIRE BRUSH

Designed for removing carbon, paint and corrosion from metal surfaces. Wood handle for positive grip. 13¾" long to get to hard to reach places. 1" trim.

BK **776-9075**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

SHOE WIRE SCRATCH BRUSH

Perfect for removing carbon and paint from metal surfaces. Wooden handle designed for maximum comfort and positive grip. Bristles have 1" trim.

BK **776-9076**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

INDUCTION INNOVATIONS

MINI-DUCTOR® 12V

Ideal for roadside repair or where regular power supplies aren't available, the Mini-Ductor 12V is completely portable. Working off a 12V battery pack, from a car or truck battery (or any piece of kit with a 12V battery), the Mini-Ductor 12V is perfect for remote applications where rusted, corroded or thread locked parts need to be removed quickly and safely.

BK **MD-500**

INDUCTION INNOVATIONS

MINI-DUCTOR® II

The Mini-Ductor is the professional's choice handheld flameless torch and leverages the power of Invisible Heat® to heat ferrous metals in seconds. Using high frequency magnetic fields, the Mini-Ductor releases corroded or frozen hardware and other metallic components from corrosion and thread lock compounds – all without the collateral damage normally associated with torches.

BK **MD-700**

INDUCTION INNOVATIONS

MINI-DUCTOR® II WITH COIL KIT

The Mini-Ductor is the professional's choice hand-held flameless torch. Leverage the power of technology with Invisible Heat®! The flameless solution for releasing corroded or frozen hardware and other metallic components from corrosion and threadlock compounds – all without the collateral damage normally associated with torches.

- Features an ergonomic cylinder handle with no-slip grenade grip design
- LED illumination for dark, hard to see places.
- Easy push button activation
- Features a coil diameter of ½ in. – 1¾ in.
- 1000W

BK **MD-750**

INDUCTION INNOVATIONS

MINI-DUCTOR® VENOM® HP

Venom HP's feature set includes a bold new color along with maximum power available from a 120V/15 amp line, with a heavy duty 18 amp cord to deliver the needed current to its new circuit design. The new Venom HP allows users to heat larger metal fasteners and components faster than ever before.

- 1800 Watts

BK **MDV-787**

INDUCTION INNOVATIONS

MINI-DUCTOR® VENOM®

The Mini-Ductor® Venom® generates Invisible Heat® to release ferrous and some non-ferrous metals from corrosion and thread lock compounds without the dangers of open flame and up to 90% faster – ¾" nuts are turned red hot in seconds.

- Features an LED Usage Indicator where a red LED will light under faulty conditions or green LED lights while the trigger is active and the tool is heating properly
- Features fan operation enhancements so the fan continues to run after the trigger is released to aid in thermal cycle time reduction, and will stay powered when the thermal switch opens to aid in cooling the tool
- Venom's® lightweight, ergonomic design allows for induction heat to access hard to reach places more easily
- Features a pistol-style grip with a coil twist lock and trigger activation
- Features a coil diameter of ½ in. – 1¾ in.
- 1000 Watts

BK **MDV-777**

INDUCTION INNOVATIONS

MINI-DUCTOR® VENOM® WITH COIL KIT

The Mini-Ductor® is the professionals choice hand-held flameless torch. Leverage the power of technology with Invisible Heat®!
The flameless solution for releasing corroded or frozen hardware and other metallic components from corrosion and thread lock compounds – all without the collateral damage normally associated with torches.

- Features an LED Usage Indicator where a red LED will light under faulty conditions or a green LED lights while the trigger is active and the tool is heating properly
- Features fan operation enhancements so the fan continues to run after the trigger is released to aid in thermal cycle time reduction, and will stay powered when the thermal switch opens to aid in cooling the tool
- Features a pistol-style grip with a coil twist lock and trigger activation
- Features a coil diameter of ½ in. – 1¾ in.
- 1000 Watts

BK **MDV-790**

WARNING: Always wear eye and face protection.

Flameless Torches

INDUCTION INNOVATIONS

MINI-DUCTOR® STANDARD COIL KIT

The coil kit is an accessory for the Mini-Ductor® series and the Inductor® series U-555. The kit enables you to heat and release seized nuts and bolts up to 1.5 in. diameter and other metallic hardware from corrosion and thread lock compounds.

- Features wire gauge measurements of 10 SWG, 8 AWG

Contents: (1) 1¾ in. pre-formed coil, (1) 1½ in. pre-formed coil, (1) 1¼ in. pre-formed coil, (1) 1 in. pre-formed coil, (2) ⅞ in. pre-formed coils, (1) ¾ in. pre-formed coil and (1) ⅞ in. long pre-formed coil

BK **MD99-650**

INDUCTION INNOVATIONS

MINI-DUCTOR® ESSENTIAL COIL KIT

The Essential Coil kit is a collection of essential coils for you Mini-Ductor® Induction Heater. The kit enables you to heat and release seized nuts, bolts and other metallic hardware from corrosion and thread lock compounds. The Essential Coil kit is a collection of our must-used smaller diameter coils and are manufactured in an assortment of lengths and sizes to fit a variety of applications.

- Each coil lasts for several hundred uses or more subject to use – avoiding abrasion and overheating prevents premature wear to the coil
- Coil insulation is coated to resist abrasion but, if insulation is breached, a new coil will need to be used
- The coils are all flexible and can be bent or separated for a variety of applications
- To use around corners or buried deep near plastic or rubber, simply bend to your desired configuration
- Features wire gauge measurements of 10 AWG, 8 AWG

Contents: (2) ⅞ in. preformed coils, (2) ¾ in pre-formed coils, (1) ⅞ in long pre-formed coil, (1) 1 in. pre-formed coil, (1) ⅞ in. long pre-formed coil (LCK), (1) 1 in. long pre-formed coil

BK **MD99-660**

INDUCTION INNOVATIONS

MINI-DUCTOR® LONG COIL KIT

The long coil kit is an accessory for the Mini-Ductor® Series and the Inductor® Series U-555. The kit enables the user to heat and release seized nuts and bolts up to 1.5 in. in diameter and other metallic hardware from corrosion and thread lock compounds.

- Each coil lasts for several hundred uses or more subject to use – avoiding abrasion and overheating prevents premature wear to the coil
- Coil Insulation is coated to resist abrasion but, if insulation is breached, a new coil will need to be used
- The coils are all flexible and can be bent or separated for a variety of applications
- To use around corners or buried deep near plastic or rubber, simply bend to your desired configuration
- Features wire gauge measurement of 10 AWG, 8 AWG

Contents: (1) ¾ in. pre-formed coil, (2) ⅞ in. long pre-formed coils (LCK), (2) 1 in. long pre-formed coils, (1) ¼ in. pre-formed coil, (1) ½ in. pre-formed coil and (1) ¾ in. pre-formed coil

BK **MD99-675**

INDUCTION INNOVATIONS

MINI-DUCTOR® BEARING BUDDY® COIL PACK

The Bearing Buddy® Coil Pack offers two different sized flexible coils and a heat resistant mat. The heat resistant mat helps extend the Bearing Buddy coil life by preventing abrasion and overheating of the coil.

Contents: (1) 41 in. Bearing Buddy coil, (1) 96 in. Bearing Buddy coil, (1) 6 in. x 12 in. Heat Resistant Insulator, (1) compact storage tube

BK **MD99-643**

INDUCTION INNOVATIONS

MINI-DUCTOR® THIN WALL COIL PACK

The thin wall coil pack offers four of the most popular sized coils and enables users to release rusted or corroded recessed lug nuts in a matter of seconds.

- Features wire gauge measurement of .050 in. x .225 in.

Contents: (1) ¾ in. thin wall coil, (1) 13/16 in. thin wall coil, (1) ⅞ in. thin wall coil, (1) 1 in. thin wall coil, (1) compact storage tube

BK **MD99-644**

INDUCTION INNOVATIONS

MINI-DUCTOR® BEARING BUDDY® COIL

This Bearing Buddy® coil for the Mini-Ductor® Series (excluding the Mini-Ductor 12V), is a flexible magnetic litz wire for wrapping around in-line and asymmetrical objects that are not accessible with standard coils or the 41 in. Bearing Buddy.

- The extra length of the 96 in. long Bearing Buddy offers greater flexibility and versatility for larger bearings, gears, pulleys and industrial applications
- The coil will last for approximately 100 uses or more subject to use, avoiding abrasion and overheating prevents premature wear to the coil
- The coil insulation is coated to resist abrasion however, if insulation is breached a new coil will need to be used
- Features a wire gauge measurement of 420/36 litz

BK **MD99-XBB96**

INDUCTION INNOVATIONS

MINI-DUCTOR® COIL VARIETY PACK

The variety pack includes the original three coils that comes with a new Mini-Ductor®.

- Use of the proper sized coil, avoiding abrasion and overheating prevents premature wear to the coil
- All coils are coated to eliminate oxidation and guarantee contact
- The coil insulation is coated to resist abrasion, however, if insulation is breached, a new coil will need to be used
- The coils are all flexible and can be bent or separated for a variety of applications

Contents: (1) ⅞ in. pre-formed coil, (1) 23 in. U-form coil, (1) 41 in. Bearing Buddy coil, (1) poly bag

BK **MD99-60123**

WARNING: Always wear eye and face protection.

MINI-DUCTOR® 7/8 IN. PRE-FORMED COIL

The 7/8 in. pre-formed coil is a heat-resistant coil attachment for the Mini-Ductor® series.

- Works best with 1/2 in. fasteners and smaller
- The coil will last for several hundred uses or more, subject to use
- Use of the proper sized coil, avoiding abrasion and overheating prevents premature wear to the coil
- The coil insulation is coated to resist abrasion – however, if insulation is breached, a new coil will need to be used
- The coils are all flexible and can be bent or separated for a variety of applications

BK **MD99-601**

U-FORM COIL

A straight heat-resistant U-Form coil for DIY winding.

- Compatible with all Mini-Ductor product line
- 23 in. dia.
- 10 Gauge
- Copper

BK **MD99-602**

MINI-DUCTOR® BEARING BUDDY® COIL

The Bearing Buddy Coil for the Mini-Ductor® series (excluding the Mini-Ductor 12V), is a flexible magnetic litz wire for wrapping around inline and asymmetrical objects that are not accessible with standard coils.

- The coil will last for approximately 100 uses or more subject to use, avoiding abrasion and overheating prevents premature wear to the coil
- All coils are coated to eliminate oxidation and guarantee contact
- The coil insulation is coated to resist abrasion, however if insulation is breached, a new coil will need to be used
- Features a wire gauge measurement of 420/36 Litz

BK **MD99-603**

MINI-PAD

The Mini-Pad is plated to eliminate oxidation and guarantee contact. It quickly removes decals, graphics, pinstripes, emblems and body side moldings and softens spray paint to easily wipe off by heating the ferrous metal underneath.

- No need for solvents
- Stress relieve dents for easy paintless dent removal
- Lasts several hundred uses or more (subject to type of use) Coating helps protect automotive finishes from fiberglass abrasion
- 3.5 in. x 3.5 in.

BK **MD99-604**

BK **MD99-607** *BK* **MD99-611** *BK* **MD99-605**

MINI-DUCTOR® PRE-FORM COILS

An I.D. heat-resistant pre-formed coil for the Mini-Ductor® series.

- Compatible with all Mini-Ductor® product line
- Round coil
- Heat-resistant
- Copper wire/Fiberglass insulation

Item No.	Diameter	Wire Gauge
BK **MD99-607**	1.75 in.	8 Gauge
BK **MD99-608**	1.5 in.	8 Gauge
BK **MD99-609**	1.25 in.	8 Gauge
BK **MD99-610**	1 in.	8 Gauge
BK **MD99-611**	.75 in.	10 Gauge
	Long Pre-Formed	
BK **MD99-605**	.875 in.	10 Gauge
BK **MD99-606**	.50 in.	10 Gauge
BK **MD99-620**	.75 in.	10 Gauge
BK **MD99-621**	.875 in.	10 Gauge
BK **MD99-622**	1 in.	8 Gauge
BK **MD99-623**	1.25 in.	8 Gauge
BK **MD99-624**	1.50 in.	8 Gauge
BK **MD99-625**	1.75 in.	8 Gauge

MINI-DUCTOR® HEAT-RESISTANT PAD

The heat-resistant mat helps extend the life of the Bearing Buddy coils by preventing abrasion and overheating of the coil.

- 6 in. L x 12 in. W

BK **MD99-612**

BK **MD99-631** *BK* **MD99-605** *BK* **MD99-629** *BK* **MD99-635**

MINI-DUCTOR® THIN WALL COILS

A heat-resistant pre-formed coil for the Mini-Ductor® series.

- Compatible with all Mini-Ductor product line
- Features a wire gauge measurement of .050 in. x .225 in.
- Heat resistant

Item No.	Diameter
BK **MD99-629**	.75 in.
BK **MD99-631**	.8125 in.
BK **MD99-632**	.875 in.
BK **MD99-635**	1 in.

WARNING: Always wear eye and face protection.

Soldering Irons

BK **770-4712**

BK **770-4703**

SOLDER-IT

MULTI-FUNCTION 30-100 WATT HEAT TOOL & KIT

Butane powered, featuring portable ergonomic design, 30–100 watt power range, comfort-grip, and rapid tip heat-up with a burn time of up to three hours per fill. *BK* **770-4703** includes: Blowtorch tip, 1.6 mm conical tip, spare orifice and vented safety cap. *BK* **770-4712** includes: Heat tool, 1.6 mm conical tip, 2.4 mm chisel, heat blower, hot knife, spare orifice, and heat reflector with accessories. A handy tool for maintaining switch panels or performing field repairs. Perfect for repairs on: Cars, trucks, planes, electrical components, and jewelry. Additional uses include: Environmental splicing, loosening rusted nuts and bolts, softening window caulk, welding plastics or shrink tubing, as well as soldering silver, circuit boards, TV cable systems, or sensitive IC boards.

Item No.	Description
BK **770-4703**	Heat Tool
BK **770-4712**	Complete Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

MANUAL IGNITION SOLDERING IRON KIT

Handy, portable soldering tool is butane-powered, and features a bold, ergonomic design with a power range of 25–80 watts and a 90-minute burn time per fill. Light and balanced, this multi-function heat tool makes precise work quick and easy. Also features flint igniter in a safety cap and visible fuel tank. Kit includes: Blowtorch tip, 1 mm conical tip (S-01), hot knife (S-05), and heat blower (S-07) with accessories. Applications include: Electronic circuit, jewelry and eyeglass frame repair, as well as light gauge welding, dental wax corrections and light plumbing. Also beneficial for use in arts, crafts and model building, or to thaw frozen locks.

BK **770-4702**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

ULTRA THERM™ FLAMELESS HEAT GUN

Sleek, pencil type design and wider nozzle produces greater heat coverage for more challenging jobs. Ideal for activating adhesives and potting compounds, PVC bending, preheat flux, remove windshield caulking and installing solder filled terminals.

- Heat test electronic components
- Install thin wall, dual wall, and adhesive lined heat shrink tubing and sleeves
- Wide burn nozzle
- 120 Minutes burn time
- Heat deflector included
- Includes safety lock
- 1400° F Maximum nozzle temperature

BK **770-4717**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

HOTAIR GUN™ PROPANE FLAMELESS HEAD

Heaviest duty propane powered heat gun head available. Attaches to any propane or mapp gas canister converting it into an extremely heavy duty heat gun. Ideal for heavy duty applications including automotive dent repairs, thaw frozen pipes, leather/vinyl repair and packaging corrections.

Handy for cold outdoor applications such as well sealing

- Comes with spreader and deflector nozzles
- 10 Hours burn time
- Heat deflector included
- 1,022° F Maximum nozzle temperature
- Includes safety lock

BK **770-4718**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

BK **770-4704**

BK **770-4705**

SOLDER-IT

MULTI-FUNCTION HEAT TOOL & KIT

Butane powered, featuring portable ergonomic design, 30–125 watt power range, visible fuel tank, and rapid tip heat up with a burn time of up to four hours per fill. *BK* **770-4704** includes: Blowtorch tip, 1.6 mm conical tip, spare orifice and vented safety cap. *BK* **770-4705** includes: Heat tool, 1.6 mm conical tip, 2.4 mm chisel, heat blower, hot knife, spare orifice, and heat reflector with accessories. A handy tool for performing field repairs or maintaining switch panels. Perfect for repairs on: Cars, trucks, planes, electrical components, and jewelry. Additional uses include: Environmental splicing, loosening rusted nuts and bolts, softening window caulk, welding plastics or shrink tubing, as well as soldering silver, circuit boards, TV cable systems, or sensitive IC boards.

Item No.	Description
BK **770-4704**	Heat Tool
BK **770-4705**	Complete Kit

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

SOLDER•IT

HEAT GUN ADAPTER KIT

Rapid heat-up for immediate use. Wide nozzle and high-output, long-life catalyst provide infinitely adjustable heat levels. Heat deflector circulates heat and protects nearby work. Adapter kit for *BK* **770-4703** and *BK* **770-4704**.

BK **770-4715**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER•IT

POCKET-SIZE BUTANE-POWERED SOLDERING IRON

Super-comfort size for access to tight areas. Thirty minute burn time per fill. Visible fuel tank. Complete portability. 30–70 watt power range. Applications: electrical/electronic circuit repair, light gauge welding, brazing, light plumbing, jewelry, eyeglass frame repair, model building, arts and crafts, dental wax corrections and thawing frozen locks.

BK **770-4707**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

30 WATT RECHARGEABLE SOLDERING IRON

The Quick FX3 soldering iron features three main functions: quick charge, quick heat and quick change. Powered by a rechargeable lithium ion battery, the QUICK FX3 is the only tool needed for heated applications.

- Ergonomically designed
- Multiple tips are available for a variety of uses and projects
- Cordless and portable, you can use this tool virtually anywhere

BK **Q30SI**

30 WATT RECHARGEABLE HOT KNIFE TOOL

The Quick FX3 hot knife tool features three main functions: quick charge, quick heat and quick change. Powered by a rechargeable lithium ion battery, the QUICK FX3 is the only tool needed for heated applications.

- Ergonomically designed
- Multiple tips available for a variety of uses and projects
- Cordless and portable, you can use this tool virtually anywhere

BK **Q30HK**

30 WATT RECHARGEABLE HEAT SHRINK TOOL

The Quick FX3 heat shrink tool features three main functions: quick charge, quick heat and quick change. Powered by a rechargeable lithium ion battery, the QUICK FX3 is the only tool needed for heated applications.

- Ergonomically designed
- Multiple tips available for a variety of uses and projects
- Cordless and portable, you can use this tool virtually anywhere

BK **Q30HS**

30 WATT HOT KNIFE TIP

The Quick FX3 hot knife tip is powered by a rechargeable lithium ion battery and heats up quick, within 2 seconds! The Quick FX3 is the only tool needed for heated applications.

- Up to 45 minutes continuous work time on one charge
- Multiple tips available for a variety of uses and projects
- Cordless and portable, you can use this tool virtually anywhere

BK **Q30HKT**

30 WATT HEAT SHRINK TIP

The Quick FX3 heat shrink tip is powered by a rechargeable lithium ion battery and heats up quick, within 2 seconds! The Quick FX3 is the only tool needed for heated applications.

- Up to 45 minutes continuous work time on one charge
- Multiple tips available for a variety of uses and projects
- Cordless and portable, you can use this tool virtually anywhere
- $^{3}/_{8}$ in. Tip size

BK **Q30HST**

BK **Q30CT** *BK* **Q30PT** *BK* **Q30FT**

SOLDERING TIPS

The Quick FX3 soldering tips are powered by a rechargeable lithium ion battery and heats up quick, within 8 seconds! The Quick FX3 is the only tool needed for heated applications.

- Up to 40 minutes continuous work time on one charge
- Multiple tips available for a variety of uses and projects
- Cordless and portable, you can use this tool virtually anywhere
- $^{1}/_{16}$ in. tip size

Item No.	Description
BK **Q30CT**	Chisel Soldering Tip
BK **Q30PT**	Pointed Soldering Tip
BK **Q30FT**	Fine Soldering Tip

WARNING: Always wear eye and face protection.

Torches

SOLDER-IT

MULTI-FUNCTION SOLDERING IRON/HEAT TOOL KIT

Convenient hand-held tool. Kit includes: 10 mm and 3.2 mm chisel tips, 1.6 mm conical tip, hot blower, heat reflector, hot knife, tube of solder, sponge, wire brush, and a sturdy molded storage case to carry it all. Applications include: Automotive, truck, and aviation service and repairs. Also works great on heavy gauge or marine wire, and ground rods. A necessary tool for work on communication towers, or industrial cable repairs and installation.

BK **770-4714**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

PRO-TORCH™ HEAVY-DUTY AUTOMATIC IGNITION TOOL

This heavy-duty torch provides the most powerful, stable butane flame (2,600° F/1,350° C) available. Its precision orifice and controls make it the best tool on the market for demanding jobs where the highest BTU output is required. Provides user-comfort at almost any angle. Designed to withstand the rigors of daily professional use. Features include: Ergonomic grip, separate controls for fuel and air, and a two-hour burn time per fill. Applications include: Dental repairs, brazing, soldering, plumbing and industrial maintenance, as well as repairs on cars, trucks and electronics. Great for tool and die shops.

BK **770-4706**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

HAND-HELD PROFESSIONAL TORCH

Complete portability and unparalleled safety features make this torch a must in the workshop, garage or laboratory. Especially handy for repairs on vehicles and electronics. Features include: Automatic Piezo ignition, comfortable rubber grip, separate controls for fuel and air, four hour burn time (2,500° F/1,300° C), and a removable safety stand. Applications include: Welding, jewelry/dental repairs, and plumbing.

BK **770-4710**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

PRO-TORCH™ BUTANE-POWERED AUTOMATIC TORCH

Child-resistant torch features an adjustable, high-output BTU flame (2,500°F/1,300°C). Sturdy, lightweight body is constructed of hi-tech polymers, while the internal brass and ceramic parts ensure precise operation and long life. Applications include: Brazing, soldering, plumbing, dental repairs, and industrial maintenance. Excellent for repairs on cars, trucks, and electronics. Also handy as a chef's torch, or for use in optometry labs. A necessary item for tool and die shops.

BK **770-4701**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Weller

PORTASOL SELF IGNITION PRO PIEZO

- ESD safe to protect sensitive components
- A lightweight, compact cordless butane soldering and hot air tool
- Piezo ignition with push-button ease and convenience, 25 watts to 75 watts
- Fast heat-up for high productivity, melts solder in less than 40 seconds
- Gas capacity allows up to 1 hour of continuous use, ample for most jobs
- Refills in less than 20 seconds so you can stay on the job
- Automatic cut-off switch when cap replaced for safety
- Can be used as a mini-torch with optional PPT12 flame tip

APX **P2C**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

Weller

BUTANE MINI IRON PIEZO IGNITION

- Piezo electronic ignition system for reliable ignition every time
- Adjustable gas flow valve controls temperature range
- Tip temperature 750°F - 900°F
- Up to 30 minutes continuous use on medium setting
- Refillable with Weller WB1 or WB2 filtered butane
- Also operates as a mini-torch when the tip is removed
- Base allows tool to stand for hands free operation
- Safety cap can be replaced on tool for secure storage

APX **ML500MP**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

Weller

MAGNA-LITE BUTANE TABLE TOP TORCH

- Piezo electronic ignition system for reliable ignition every time
- Adjustable flame height
- Up to 60 minutes continuous use controls flame temperature up to 2,400°F
- Child safety lock meets CPSC guidelines
- Refillable with Weller WB1 or WB2 filtered butane
- For heat shrink tubing, fusing rope ends, frozen locks, camping, first aid, labs, and boating

APX **ML200**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

SOLDER-IT

MICRO-JET™ ELECTRONIC IGNITION TORCH

Perfect for many do-it-yourself electronics and great for camping. Extended nozzle puts the flame where you need it. Heavy-duty and child-resistant. 2,400° F flame.

BK **770-4713**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

SOLDER-IT

MICRO THERM™ BUTANE FLAMELESS HEAT GUN

Palm sized contour designed heat gun and trigger ignition button allowing for a more comfortable grip. Ideal for small shrinkable packaging materials, spot-drying paint, bending plastics/laminates and activating adhesives.

- Powered by refillable fuel cell or many disposable butane lighters
- Convenient for hard to reach areas
- 20 minute burn time
- Heat Deflector included
- 1300° F Maximum nozzle temperature
- Includes safety lock

BK **770-4716**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT TURBO-LITE BUTANE LIGHTER TORCH

The Turbo-Lite mini torch is a butane refillable, automatic ignition heat tool.

- Piezo Electronic Ignition System
- Windproof flame
- Waterproof ignition
- Flame adjustment knob
- Fuel window

BK **770-4723**

SOLDER-IT

BUTANE MICRO-TORCH

Automatic electronic Piezo ignition. Windproof ignition for outdoor use. Child-resistant. Perfect for any do-it-yourself job including jewelry, plumbing, automotive, electronics and camping. Fueled by included refillable fuel cell or disposable butane lighter. 2,400° F flame.

BK **770-4709**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Lenk

TRIPLE FILTERED BUTANE FUEL

Professional-grade, non-clogging, universal filling tip that can be used with most refillable butane products. This fuel is double scrubbed to remove impurities and triple filtered for trouble-free use in butane-powered tools and lighters.

- Made in the USA
- Tripled filtered 100% pure isobutane
- Convenient 6.4 oz. can for all of your refilling needs
- Universal filling tip can fit the majority of all butane powered tools

BK **LBF-640**

SOLDER-IT

REFILLABLE BUTANE FUEL CELLS

Fuels Micro-Jet series of torches and heat guns. 20 Minute burn time and is refillable.

BK **770-4722**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOLDER-IT

SILVER BEARING SOLDER PASTE

Greatly improves conventional soldering methods in that the product is applied to the metals to be joined before heat is introduced. Made from refined powdered metals, formulated into a paste with flux included.

- Use with butane torch, soldering iron, propane, acetylene or mapp gas torch
- Finished joint is stronger than base metal used, tensile strength up to 28,000 PSI
- Provides strength without the high temperature of brazing
- Extremely high electrical conductivity, stress and vibration resistant
- 430° F Melting temperature

BK **770-4719**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Weller

SOLDER GUN 260/200 WATT 120V PRO

- Professional heavy-duty gun
- Dual-heat gun produces 260 or 200 watts
- Pistol-grip design, ready to use in 6 seconds
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Heavy gauge, high efficiency, tin-plated copper tip
- Twin lights illuminate work
- Contents: D550 soldering gun, 1 each soldering, smoothing, cutting tips
- Also contains a coil of lead free solder and instruction book
- 2-wire cord, UL and CUL listed

APX **D550PK**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

Weller

140/100 WATT UNIVERSAL SOLDERING GUN KIT

- All purpose gun, 120V
- Dual heat gun produces 140 or 100 watts with pistol grip design
- Fingertip trigger selects high or low output
- Light illuminates work
- Contains soldering gun, smoothing tip, cutting tip and a coil of lead free solder

APX **9400PKS**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

Weller

PROFESSIONAL SELF-IGNITING CORDLESS BUTANE SOLDER KIT

- ESD safe to protect sensitive components
- Lightweight, compact and cordless
- Piezo ignition with push-button ease and convenience
- Fast heat up with 1 hour continuous use capacity
- Refills in less than 20 seconds

APX **P2KC**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Soldering Irons & Abrasive Wheels

Weller

BATTERY POWERED SOLDERING IRON

- Long-lasting lithium Ion battery charges quickly and lives on and on
- Easy-grip with comfortable co-molded handle and convenient on/off switch
- Heats up in 35 seconds
- Precise soldering with LED light

APX **BL60MP**

⚠ **WARNING: This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.**

Milwaukee

M12™ SOLDERING IRON KIT

Kit Item No.	*MIL* **2488-21**
Tool Only Item No.	*MIL* **2488-20**
Volts	12
Max Temp	750° F
Interchangeable Tip	Yes
Runtime	40 mins w/compact M12 Battery
Weight	0.7 lbs
Charger/Batteries	All M12 Batteries and Chargers
Includes	(1) M12™ Soldering Iron (Tool Only) (*MIL* **2488-20**) (1) Pointed Ti,p (1) Chisel Tip, (1) M12™ REDLITHIUM Compact Battery Pack, (1) M12 Charger and Carrying Case

Milwaukee

M18™ COMPACT HEAT GUN

Item No.	*MIL* **2688-20**
Volts	18
BTU Heat Rating	914
Max Temp	875° F
Heat up	7 seconds
Weight	1.7 lbs
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18™ Compact Heat Gun (Tool Only) (*MIL* **2688-20**)

Carlyle Tools by NAPA

MAGNETIC SOLDERING CLAMP

Offers an extra pair of hands when soldering. Alligator clamps firmly hold wire and small parts when soldering. Flexible design allows different ways to attach and hold wire. Clips and base are magnetic and can be attached to any ferrous surface. Base is also hex-shaped and can fit in a vise when needed.

SER **77-4025**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DEWALT HP HIGH Performance

DEW **DW4419**

DEW **DW4999**

TYPE 27 BONDED ABRASIVES

Item No.	Dia.	Thickness	Arbor	Grit	Max Rpm	Pack Qty.
1/8" Pipeline Metal & Stainless Cutting & Grinding						
DEW **DW4418**	4"	1/8"	5/8"	A24R	15,200	25
DEW **DW8484**	5"	1/8"	7/8"	A24R	12,200	25
1/4" Metal & Stainless Grinding						
DEW **DW4419**	4"	1/4"	5/8"	A24R	15,200	25
DEW **DW4619**	5"	1/4"	7/8"	A24R	12,200	25
DEW **DW4719**	7"	1/4"	7/8"	A24R	8,700	10
DEW **DW4999**	7"	1/4"	5/8"-11	A24R	8,700	10
DEW **DW4954**	9"	1/4"	5/8"-11	A24R	6,600	10

DEWALT HP HIGH Performance

DEW **DW4514 Z**

TYPE 27 HP METAL GRINDING WHEELS

- High performance aluminum oxide grain for long life and high material removal
- High grain concentration for aggressive grinding action and smoother running wheels
- Proprietary material mix ensures durable long life wheels
- 3 full sheets of fiberglass for durability and safety

Item No.	Dia.	Arbor	Max Rpm
DEW **DW4514 Z**	4 1/2"	7/8"	13,300

DEWALT HP HIGH Performance

DEW **DW8302**

TYPE 27 CONTAMINANT-FREE FLAP DISCS

Item No.	Dia.	Arbor	Grit	Max Rpm	Pack Qty.
DEW **DW8302**	4"	5/8"	Z60	15,200	10

DEWALT HP HIGH Performance

DEW **DW8306**

TYPE 29 CONTAMINANT-FREE FLAP DISCS

Item No.	Dia.	Arbor	Grit	Max Rpm	Pack Qty.
DEW **DW8306**	4 1/2"	7/8"	Z36	13,300	10
DEW **DW8308**	4 1/2"	7/8"	Z60	13,300	10
DEW **DW8309**	4 1/2"	7/8"	Z80	13,300	10

WARNING: Always wear eye and face protection.

TYPE 27 METAL GRINDING WHEELS

- Aluminum oxide grain
- Softer formulation for faster grinding in harder materials
- 3 Full sheets of fiber glass for added durability and safety
- Stainless steel material application

DEW **DW4541**

Item No.	Arbor	Dia.	Max RPM	Pack Qty.
DEW **DW4542**	5/8"-11"	4 1/2"	13300	1
DEW **DW4541**	7/8"	4 1/2"	13,300	1
DEW **DW4541B5**	7/8"	4 1/2"	13,300	1

TYPE 27 METAL CUTTING WHEELS

- Thin .045" wheel design for fast burr free cutting
- Softer Aluminum Oxide formulation for faster cutting
- 2 full sheets of fiberglass for durability and safety

Item No.	Arbor	Dia.	Max RPM	Pack Qty.
DEW **DWA4531**	7/8"	4 1/2"	13,300	1

TYPE 1 HP METAL CUTTING WHEELS

- More Cuts. Fewer Wheels.™
- 50% Longer Life* Replace wheels less often with Temper Point™ grains that are tougher and razor sharp for more cuts. Better adhesion between the coated grains and resin creates a longer lasting cutting edge that wears slowly.
- Extremely Versatile: Efficiently cut a wide range of metals including carbon steel, stainless and nickel-based alloys.
- Aggressive Cutting Action: Make fast cuts with a thin wheel design and high-grain concentration.
- Durable By Design™: Built with two sheets of fiberglass for wheel strength. Designed to reduce wheel breakage.

Item No.	Arbor	Dia.	Max Rpm	Pack Qty.
DEW **DW8725H**	5/8" - 11"	6"	10,200	10

TYPE 1 METAL CUTTING WHEELS

- Thin .045" wheel design for fast burr free cutting
- Softer Aluminum Oxide Formulation provides faster cutting
- 2 Full sheets of fiberglass for durability and safety

DEW **DWA8051**

Item No.	Arbor	Dia.	Max Rpm	Pack Qty.
DEW **DWA8051**	7/8"	5 "	12,200	1
DEW **DWA8051B5**	7/8"	5 "	12,200	

TYPE 1 DIE GRINDER WHEELS

- Heavy duty aluminum oxide grain for aggressive cutting action
- Proprietary Material Mix ensures durable long life wheels
- 2 Full sheets of fiberglass for durability and safety

DEW **DW8709**

Item No.	Arbor	Dia.	Max rpm	Pack Qty.
DEW **DW8709**	5/8"	3"	24,400	1
DEW **DW8711**	5/8"	3"	24,400	1
DEW **DW8719**	5/8"	4"	19,000	1
DEW **DW8718**	5/8"	4"	19,000	1

HP END BRUSHES

- Constructed with internal holding plate to ensure consistency and safety
- Wire is 100% inspected to meet demanding quality specifications

DEW **DW4901**

Item No.	Dia.	Max RPM	Trim Length	Pack Qty.
DEW **DW4901**	1"	20,000	1"	1
DEW **DW4902**	1"	20,000	1"	1

BENCH GRINDER BRUSHES

- Highly specified wire grades are constructed with internal holding plate to ensure consistency and safety
- Constructed for even balance which provides smooth performance
- Wire is 100% inspected to meet demanding quality specifications

DEW **DW4904**

Item No.	Abor	Dia.	Length	Max RPM	Pack Qty.
DEW **DW4904**	5/8 - 1/2"	6"	1-1/8"	6,000	11
DEW **DW4906**	5/8"	8"	1 - 9/16 "	4,000	

HP CUP BRUSHES

- Constructed with internal holding plate to ensure consistency and safety
- Wire is 100% inspected to meet demanding quality specifications

Item No.	Arbor	Dia	Max RPM	Pack Qty.
DEW **DW4916**	5/8"-11"	3"	14000	1

WARNING: Always wear eye and face protection.

HP WIRE WHEELS

- High tensile, heat treated carbon or stainless steel wire provides long lasting aggressive brushing action
- Internal holding plate construction provides reduced knot movement and increased control and brush life

Item No.	Arbor	Dia.	Max RPM	Pack Qty.
DEW **DW4925**	5/8" - 11"	4"	20,000	1

TYPE 29 FLAP DISCS

- Zirconia grit enables 3X faster material removal than fiber resin metal sanding discs
- Premium abrasive cloth provides up to 15X longer life than fiber resin metal sanding discs
- Type 29 fiberglass backing provides grinding angle of 20-25°

DEW **DWA8206**

Item No.	Arbor	Dia.	Grit	Max RPM	Pack Qty.
DEW **DWA8206H**	5/8"-11	4 1/2"	40	13,300	1
DEW **DWA8206**	7/8	4 1/2"	40	13,300	1
DEW **DWA8207H**	5/8"-11	4 1/2"	60	13,300	1
DEW **DWA8207**	7/8	4 1/2"	60	13,300	1
DEW **DWA8207B2**	7/8	4 1/2"	60	13,300	1
DEW **DWA8208H**	5/8"-11	4 1/2"	80	13,300	1
DEW **DWA8208**	7/8	4 1/2"	80	13,300	1

HIGH PERFORMANCE™ STAINLESS STEEL CUTTING WHEELS

- Optimized for Cutting Stainless Steel: Extend wheel life with high-performance grain.
- FAST, EFFICIENT MATERIAL REMOVAL: Achieve aggressive cutting action with a thin wheel design and high-grain concentration
- CONTANMINANT-FREE TO RESIST CORROSION: Engineered without iron, sulfur, and chlorine
- DURABLE BY DESIGN™ Optimized wheel strength for breakage reduction with 2 sheets of built-in fiberglass

Item No.	Arbor	Dia.	Max RPM	Pack Qty.
DEW **DW8062Z**	7/8"	4 1/2"	13,300	25

HP NON WOVEN SURFACE FINISHING QUICK CHANGE DISCS

- High performance non-woven material for long disc life
- QDC mounting is fastest method for changing discs

DEW **DALN7CCR25**

Item No.	Dia.	Grit	Material Application	Max RPM	Qty.
DEW **DALN7CCR25**	2"	Coarse	Stainless Steel	20,000	25
DEW **DALN7CFN25**	2"	Fine	Ferrous Metal	20,000	25
DEW **DALN7CMD25**	2"	Medium	Ferrous Metal	20,000	25

HP ALUMINUM OXIDE QUICK CHANGE DISCS

- High performance aluminum oxide grain allows the disc to break down quickly and consistently exposing new grain for faster removal
- QDC mounting is fastest method for changing discs
- An exclusive material mix provides long life

DEW **DALN1C031A**

Item No.	Dia.	Grit	Max RPM
DEW **DALN1C031A**	2"	36	20,000
DEW **DALN1C081A**	2"	80	20,000
DEW **DALN1C121A**	2"	120	20,000

2-1/2 IN. CRIMPED WIRE CUP BRUSH

Brush removes light scale, rust and paint from surfaces. It is designed for light-duty use with 0.014" high carbon steel wire. Use in electric drills or flexible shaft equipment. Face diameter: 2 1/2". Shank diameter: 1/4". Maximum safe free speed: 5,000 rpm.

SER **2314**

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

DIAMOND-CUT CARBIDE BURRS

Item No.	Description
BK **710-1684**	3/16" (4.5mm) Dia.
BK **710-1685**	7/32" (5.5mm) Dia.
BK **710-1686**	5/16" (7.7mm) Dia.

Metal

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

BK **710-1627**

BK **710-1625**

BK **710-1628**

BK **710-1622**

BK **710-1623**

BK **710-1624**

WLD **710-1626**

DIAMOND-CUT STEEL CABLE CARBIDE BURRS

Item No.	Description
BK **710-1627**	Ball, 1/4" Shank (2 3/4" L.)
BK **710-1625**	Cutter, 3/16" Shank (2 7/8" L.)
BK **710-1628**	Cutter, 5/16" Shank (4" L.)
BK **710-1622**	Mini, 1/8" Shank (1 1/4" L.)
BK **710-1623**	Pointed-End, 1/4" Shank (2" L.)
BK **710-1624**	Router, 1/4" Shank (2 1/2" L.)
BK **710-1626**	Tree, 1/4" Shank (2 3/4" L.)

Metal

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

HEAVY-DUTY COBALT DRILL BITS

- 135° Split Point, Cobalt, Bronze Oxide Finish
- M-35 Cobalt steel for increased heat resistance and longer life
- Best for drilling at higher speeds in tough drilling conditions
- Designed for stainless steel and other hard materials

BK **CD10**

BK **CD13**

BK **CD29**

HEAVY-DUTY COBALT FRACTIONAL DRILL BIT SETS

Item No.	Piece Count	Size	Case Style
BK **CD10**	10	1/16 - 1/4" by 64ths	Plastic
BK **CD13**	13	1/16 - 1/4" by 64ths	Plastic
BK **CD29**	29	1/16 - 1/2" by 64ths	Plastic

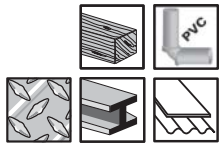
HEAVY-DUTY COBALT FRACTIONAL DRILL BITS – OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **CD500**	1	1/16"	0.0625
BK **CD502**	1	5/64"	0.0781
BK **CD504**	1	3/32"	0.0938
BK **CD506**	1	7/64"	0.1094
BK **CD508**	1	1/8"	0.1250
BK **CD510**	1	9/64"	0.1406
BK **CD512**	1	5/32"	0.1562
BK **CD514**	1	11/64"	0.1719
BK **CD516**	1	3/16"	0.1875
BK **CD518**	1	13/64"	0.2031
BK **CD520**	1	7/32"	0.2188
BK **CD522**	1	15/64"	0.2344
BK **CD524**	1	1/4"	0.2500
BK **CD526**	1	17/64"	0.2656
BK **CD528**	1	9/32"	0.2812
BK **CD530**	1	19/64"	0.2969
BK **CD532**	1	5/16"	0.3125
BK **CD534**	1	21/64"	0.3281
BK **CD536**	1	11/32"	0.3438
BK **CD538**	1	23/64"	0.3594
BK **CD540**	1	3/8"	0.3750
BK **CD542**	1	25/64"	0.3906
BK **CD544**	1	13/32"	0.4062
BK **CD546**	1	27/64"	0.4219
BK **CD548**	1	7/16"	0.4375
BK **CD550**	1	29/64"	0.4531
BK **CD552**	1	15/32"	0.4688
BK **CD554**	1	31/64"	0.4844
BK **CD556**	1	1/2"	0.5000

⚠ **WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov./wood.**

DEWALT

INDUSTRIAL COBALT ALLOY DRILL BITS

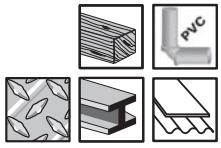


Built for speed and long life, DEWALT Industrial Cobalt Alloy drill bits powers through hard metals with ease. Featuring the Pilot Point tip that starts on contact and eliminates bit walking helping to increase control. Heavy-duty cobalt delivers 4 times more life than black oxide.

Item No.	Qty./ Card	Dia. Inches	Dia. Decimal	Drilling Depth	Overall Length
DEW **DWA1206**	1	3/32"	.0938"	1.25"	2.25"
DEW **DWA1207**	1	7/64"	.1094"	1.50"	2.62"
DEW **DWA1208**	1	1/8"	.1250"	1.62"	2.75"
DEW **DWA1209**	1	9/64"	.1406"	1.75"	2.88"
DEW **DWA1210**	1	5/32"	.1562"	2.00"	3.12"
DEW **DWA1211**	1	11/64"	.1719"	2.12"	3.25"
DEW **DWA1212**	1	3/16"	.1875"	2.31"	3.50"
DEW **DWA1214**	1	7/32"	.2188"	2.50"	3.75"
DEW **DWA1215**	1	15/64"	.2344"	2.62"	3.88"
DEW **DWA1216**	1	1/4"	.2500"	2.75"	4.00"
DEW **DWA1220**	1	5/16"	.3125"	3.19"	4.50"
DEW **DWA1224**	1	3/8"	.3750"	3.62"	5.00"
DEW **DWA1228****	1	7/16"	.4375"	4.06"	5.59"
DEW **DWA1232****	1	1/2"	.5000"	4.5"	6.00"

***** 3/8" Reduced shank.***

DEWALT



DEW **DW1361**

TITANIUM SETS

Item No.	Description	Includes
DEW **DWA1240**	13 Pc. Drill Bit Set	(2) 1/16", 5/64", (2) 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", Tough Case® Container
DEW **DW1361**	21 Pc. Pilot Point® Drill Bit Set	(2) 1/16", (2) 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 11/64", (2) 3/16", 13/64", 7/32", 15/64", (2) 1/4", 5/16", 3/8", 1/2", Tough Case® Container

WARNING: Always wear eye and face protection.

Drill Bits

CARLYLE TOOLS by NAPA

PROFESSIONAL TITANIUM-COATED DRILL BITS

BK **TD29**

Drill bits are used for drilling holes in the most ferrous and non-ferrous metals. Hard titanium nitride coating reduces friction and heat build-up, resulting in extended tool life. Titanium nitride keeps the cutting edge of the drill sharper, longer. Drill bits lasts up to 6 times longer than regular high-speed steel drill bits. Uses less energy, therefore a cordless drill will cut more holes per charge. Heat-treated to give the drill bit added durability and extend bit life. Split-point 135°.

NOTE: Tip length is not included in flute length and overall length measurements. Measurement tolerance is + / - .12"

Item No.	Size	Decimal Equivalent	*BK* TD13 13 Pc. Set	*BK* TD21 21 Pc. Set	*BK* TD29 29 Pc. Set
BK **TD500**	1/16"	.0625	•	•	•
BK **TD502**	5/64"	.0781	•	•	•
BK **TD504**	3/32"	.0938	•	•	•
BK **TD506**	7/64"	.1094	•	•	•
BK **TD508**	1/8"	.1250	•	•	•
BK **TD510**	9/64"	.1406	•	•	•
BK **TD512**	5/32"	.1562	•	•	•
BK **TD514**	11/64"	.1719	•	•	•
BK **TD516**	3/16"	.1875	•	•	•
BK **TD518**	13/64"	.2031	•	•	•
BK **TD520**	7/32"	.2188	•	•	•
BK **TD522**	15/64"	.2344	•	•	•
BK **TD524**	1/4"	.2500	•	•	•
BK **TD526**	17/64"	.2656		•	•
BK **TD528**	9/32"	.2812		•	•
BK **TD530**	19/64"	.2969		•	•
BK **TD532**	5/16"	.3125		•	•
BK **TD534**	21/64"	.3281		•	•
BK **TD536**	11/32"	.3437		•	•
BK **TD538**	23/64"	.3594		•	•
BK **TD540**	3/8"	.3750		•	•
BK **TD542**	25/64"	.3906			•
BK **TD544**	13/32"	.4063			•
BK **TD546**	27/64"	.4219			•
BK **TD548**	7/16"	.4375			•
BK **TD550**	29/64"	.4531			•
BK **TD552**	15/32"	.4687			•
BK **TD554**	31/64"	.4843			•
BK **TD556**	1/2"	.5			•

⚠ WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov./wood.

EVERCRAFT™

TITANIUM DRILL BIT SETS

Drill bits are used for drilling holes in the most ferrous and non-ferrous metals. Hard titanium nitride coating reduces friction and heat build-up, resulting in extended tool life. Titanium nitride coated steel keeps the cutting edge of the drill sharper, longer. Bits lasts up to 6 times longer than regular high-speed steel drill bits. Uses less energy, therefore a cordless drill will cut more holes per charge. Heat-treated to give the drill bit added durability and extend bit life. Split-point 135°.

Item No.	Description	Contents
BK **774-8000**	7 Pc. Set	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"
BK **774-8001**	10 Pc. Set	1/4", 7/32", 3/16", 5/32", 9/64", 1/8", 7/64", 3/32", 5/64", 1/16"
BK **774-8002**	13 Pc. Set	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/16", 1/4"
BK **774-8004**	17 Pc. Set	5/64", 3/32", 7/64", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 5/16", 3/8", (2) 1/16", (2) 1/8"

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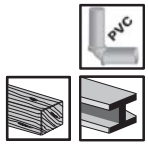
WARNING: Always wear eye and face protection.

DEWALT

DEW **DW1956**



GOLD FERROUS PILOT POINT® SETS

Item No.	Description	Includes
DEW **DW1956**	16 Pc. Pilot Point® Drill Bit Set	(2) 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 1/4", 5/16", 3/8", 1/2", Tough Case® Container

GOLD FERROUS PILOT POINT®

Item No.	Qty./Card	Dia. Inches	Dia. Decimal	Drilling Depth	Overall Length
DEW **DW1904**	2	1/16"	.0625"	.88"	1.88"
DEW **DW1905**	2	5/64"	.0781"	1.00"	2.00"
DEW **DW1906**	2	3/32"	.0938"	1.25"	2.25"
DEW **DW1907**	2	7/64"	.1094"	1.50"	2.62"
DEW **DW1908**	2	1/8"	.1250"	1.62"	2.75"
DEW **DW1909**	1	9/64"	.1406"	1.75"	2.88"
DEW **DW1910**	1	5/32"	.1562"	2.00"	3.12"
DEW **DW1911**	1	11/64"	.1719"	2.12"	3.25"
DEW **DW1912**	1	3/16"	.1875"	2.31"	3.50"
DEW **DW1913**	1	13/64"	.2031"	2.44"	3.62"
DEW **DW1914**	1	7/32"	.2188"	2.50"	3.75"
DEW **DW1915**	1	15/64"	.2344"	2.62"	3.88"
DEW **DW1916**	1	1/4"	.2500"	2.75"	4.00"
DEW **DW1917**	1	17/64"	.2656"	2.88"	4.12"
DEW **DW1918**	1	9/32"	.2812"	2.94"	4.25"
DEW **DW1919**	1	19/64"	.2969"	3.06"	4.38"
DEW **DW1920**	1	5/16"	.3125"	3.19"	4.50"
DEW **DW1921**	1	21/64"	.3281"	3.31"	4.62"
DEW **DW1922**	1	11/32"	.3438"	3.44"	4.75"
DEW **DW1924**	1	3/8"	.3750"	3.62"	5.00"
DEW **DW1925****	1	25/64"	.3906"	3.75"	5.12"
DEW **DW1926****	1	13/32"	.4062"	3.88"	5.25"
DEW **DW1927****	1	27/64"	.4219"	3.94"	5.50"
DEW **DW1928****	1	7/16"	.4375"	4.06"	5.59"
DEW **DW1929****	1	29/64"	.4531"	4.19"	5.75"
DEW **DW1930****	1	15/32"	.4688"	4.31"	5.87"
DEW **DW1931****	1	31/64"	.4844"	4.38"	5.98"
DEW **DW1932****	1	1/2"	.5000"	4.5"	6.00"

***** 3/8" Reduced shank.***

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

HEAVY-DUTY HIGH-SPEED STEEL DRILL BITS

- 135° Split Point, High Speed Steel, Black Oxide Finish
- Heavy-duty construction provides additional strength
- Performs well in a broad range of materials including metals, hard woods, and plastics

BK **HSD1110**

BK **HSD1113**

BK **HSD1129**

HEAVY-DUTY HIGH-SPEED FRACTIONAL DRILL BIT SETS

Item No.	Piece Count	Size	Case Style
BK **HSD1110**	10	1/16 - 1/4" by 64ths	Plastic
BK **HSD1113**	13	1/16 - 1/4" by 64ths	Plastic
BK **HSD1129**	29	1/16 - 1/2" by 64ths	Plastic

HEAVY-DUTY FRACTIONAL DRILL BITS – OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD500**	1	1/16"	0.0625
BK **HSD502**	1	5/64"	0.0781
BK **HSD504**	1	3/32"	0.0938
BK **HSD506**	1	7/64"	0.1094
BK **HSD508**	1	1/8"	0.1250
BK **HSD510**	1	9/64"	0.1406
BK **HSD512**	1	5/32"	0.1562
BK **HSD514**	1	11/64"	0.1719
BK **HSD516**	1	3/16"	0.1875
BK **HSD518**	1	13/64"	0.2031
BK **HSD520**	1	7/32"	0.2188
BK **HSD522**	1	15/64"	0.2344
BK **HSD524**	1	1/4"	0.2500
BK **HSD526**	1	17/64"	0.2656
BK **HSD528**	1	9/32"	0.2812
BK **HSD530**	1	19/64"	0.2969
BK **HSD532**	1	5/16"	0.3125
BK **HSD534**	1	21/64"	0.3281
BK **HSD536**	1	11/32"	0.3438
BK **HSD538**	1	23/64"	0.3594
BK **HSD540**	1	3/8"	0.3750
BK **HSD542**	1	25/64"	0.3906
BK **HSD544**	1	13/32"	0.4062
BK **HSD546**	1	27/64"	0.4219
BK **HSD548**	1	7/16"	0.4375
BK **HSD550**	1	29/64"	0.4531
BK **HSD552**	1	15/32"	0.4688
BK **HSD554**	1	31/64"	0.4844
BK **HSD556**	1	1/2"	0.5000

WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov./wood.

SILVER & DEMING REDUCED-SHANK HIGH-SPEED STEEL DRILL BITS

Feature 118° point, with high-speed steel construction and black oxide flutes. Ideal for light- to medium-duty applications.

REDUCED-SHANK 1/2 IN. SILVER & DEMING DRILL BIT SET

Item No.	Piece Count	Size	Case Style
BK **HSD3000**	8	9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 1" by 16ths	Plastic

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SILVER & DEMING REDUCED-SHANK DRILL BITS OPEN STOCK

Feature 1/2" reduced shank. Length: 6".

Item No.	Size	Decimal Equivalent	Item No.	Size	Decimal Equivalent
BK **HSD23**	33/64"	0.5156	*BK* **HSD58**	53/64"	0.8281
BK **HSD24**	17/32"	0.5312	*BK* **HSD59**	27/32"	0.8438
BK **HSD52**	35/64"	0.5469	*BK* **HSD60**	55/64"	0.8594
BK **HSD158**	9/16"	0.5625	*BK* **HSD163**	7/8"	0.8750
BK **HSD25**	37/64"	0.5781	*BK* **HSD61**	57/64"	0.8906
BK **HSD26**	19/32"	0.5938	*BK* **HSD31**	29/32"	0.9062
BK **HSD53**	39/64"	0.6094	*BK* **HSD32**	59/64"	0.9219
BK **HSD159**	5/8"	0.6250	*BK* **HSD50**	15/16"	0.9375
BK **HSD27**	41/64"	0.6406	*BK* **HSD62**	61/64"	0.9531
BK **HSD28**	21/32"	0.6562	*BK* **HSD63**	31/32"	0.9688
BK **HSD54**	43/64"	0.6719	*BK* **HSD64**	63/64"	0.9844
BK **HSD160**	11/16"	0.6875	*BK* **HSD164**	1"	1.0156
BK **HSD55**	45/64"	0.7031	*BK* **HSD66**	1 1/16"	1.0625
BK **HSD51**	23/32"	0.7188	*BK* **HSD70**	1 1/8"	1.1250
BK **HSD56**	47/64"	0.7344	*BK* **HSD74**	1 3/16"	1.1875
BK **HSD161**	3/4"	0.7500	*BK* **HSD78**	1 1/4"	1.2500
BK **HSD29**	49/64"	0.7656	*BK* **HSD80**	1 5/16"	1.3125
BK **HSD30**	25/32"	0.7812	*BK* **HSD82**	1 3/8"	1.3750
BK **HSD57**	51/64"	0.7969	*BK* **HSD84**	1 7/16"	1.4375
BK **HSD162**	13/16"	0.8125	*BK* **HSD86**	1 1/2"	1.5000

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WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

60 PC. WIRE GAUGE DRILL BIT SET

Item No.	Piece Count	Size	Case Style
BK **HSD4060**	60	1 - 60	Metal Case

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GENERAL-PURPOSE HIGH-SPEED STEEL WIRE GAUGE DRILL BITS – OPEN STOCK

Packaged 1 per card.

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD101**	1	1	0.228
BK **HSD102**	1	2	0.221
BK **HSD35**	1	3	0.213
BK **HSD104**	1	4	0.209
BK **HSD14**	1	5	0.2055
BK **HSD106**	1	6	0.204
BK **HSD36**	1	7	0.201
BK **HSD108**	1	8	0.199
BK **HSD109**	1	9	0.196
BK **HSD110**	1	10	0.1935
BK **HSD111**	1	11	0.191
BK **HSD112**	1	12	0.189
BK **HSD113**	1	13	0.185
BK **HSD114**	1	14	0.182
BK **HSD115**	1	15	0.18
BK **HSD116**	1	16	0.177
BK **HSD117**	1	17	0.173
BK **HSD118**	1	18	0.1695
BK **HSD119**	1	19	0.166
BK **HSD37**	1	20	0.161
BK **HSD38**	1	21	0.159
BK **HSD39**	1	22	0.157
BK **HSD123**	1	23	0.154
BK **HSD124**	1	24	0.152
BK **HSD125**	1	25	0.1495
BK **HSD40**	1	26	0.147
BK **HSD127**	1	27	0.144
BK **HSD128**	1	28	0.1405
BK **HSD129**	1	29	0.136
BK **HSD130**	1	30	0.1285
BK **HSD10**	1	31	0.12
BK **HSD132**	1	32	0.116
BK **HSD133**	1	33	0.113
BK **HSD134**	1	34	0.111
BK **HSD135**	1	35	0.11
BK **HSD41**	1	36	0.1065
BK **HSD137**	1	37	0.104
BK **HSD42**	1	38	0.1015
BK **HSD139**	1	39	0.0995
BK **HSD43**	1	40	0.098
BK **HSD141**	1	41	0.096
BK **HSD142**	1	42	0.0935
BK **HSD44**	1	43	0.089
BK **HSD144**	1	44	0.086
BK **HSD145**	1	45	0.082
BK **HSD146**	1	46	0.081
BK **HSD147**	1	47	0.0785
BK **HSD148**	1	48	0.076
BK **HSD149**	1	49	0.073
BK **HSD150**	1	50	0.07
BK **HSD151**	1	51	0.067
BK **HSD152**	1	52	0.0635
BK **HSD153**	1	53	0.0595
BK **HSD154**	1	54	0.055
BK **HSD155**	1	55	0.052
BK **HSD156**	1	56	0.0465
BK **HSD157**	1	57	0.043
BK **HSD258**	1	58	0.042
BK **HSD259**	1	59	0.041
BK **HSD260**	1	60	0.04

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GENERAL-PURPOSE HIGH-SPEED STEEL LEFT-HANDED DRILL BITS

- 118° Split Point, High Speed Steel, Bright Finish
- Heavy-duty construction provides additional strength
- Bits cut counter-clockwise

GENERAL-PURPOSE HIGH-SPEED STEEL LEFT-HANDED DRILL BIT SET

Item No.	Piece Count	Size	Case Style
BK **HSD2000**	15	1/16 - 1/2" by 32nds	Plastic Case

GENERAL-PURPOSE HIGH-SPEED STEEL LEFT-HANDED DRILL BITS – OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD2001**	1	1/16"	0.0625
BK **HSD2002**	1	3/32"	0.0938
BK **HSD2003**	1	1/8"	0.1250
BK **HSD2004**	1	5/32"	0.1563
BK **HSD2005**	1	3/16"	0.1875
BK **HSD2006**	1	7/32"	0.2188
BK **HSD2007**	1	1/4"	0.2500
BK **HSD2008**	1	9/32"	0.2813
BK **HSD2009**	1	5/16"	0.3125
BK **HSD2010**	1	11/32"	0.3438
BK **HSD2011**	1	3/8"	0.3750
BK **HSD2012**	1	13/32"	0.4063
BK **HSD2013**	1	7/16"	0.4375
BK **HSD2014**	1	15/32"	0.4688
BK **HSD2015**	1	1/2"	0.5000

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REDUCED SHANK 1/4 IN. FRACTIONAL DRILL BITS — OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD232**	1	5/16"	0.31"
BK **HSD240**	1	3/8"	0.375"
BK **HSD248**	1	7/16"	0.4375"
BK **HSD256**	1	1/2"	0.5"

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HEAVY-DUTY DOUBLE-END DRILL BIT

Double-end, 1/8" (0.125") drill bit. Length: 2". Quantity: Card/1.

BK **HSD608**

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WARNING: Always wear eye and face protection.

Drill Bits

12 PC. SUPER MASONRY DRILL BIT SET

Specially designed to penetrate the porous material that makes up concrete, brick and mortar. These bits have a micro-gain carbide tip that is designed to chip and grind out the hole. Positive Carbide tip geometry for rotary drilling efficiency. Wide spiral flutes efficiently remove dust and debris from the cutting area. Nickel/Chrome-plated which gives an attractive finish and makes it rust resistant. Great for drilling high bulk materials such as damp masonry work, brick, cement, tile and cinder block. Drill bit set material is Carbon Steel. Contents: (2) 5/32", (1) 5/16", (1) 3/8", (2) 3/16", (2) 1/8", (3) 1/4" and (1) 1/2" in a case.

BK **MSMBX565**

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ULTRA MASONRY DRILL BITS

Specially designed to penetrate the porous material that makes up concrete, brick and mortar. These bits have a micro-gain carbide tip that is designed to chip and grind out the hole. Negative Carbide tip for rotary and percussion drilling. Wide spiral flutes efficiently remove dust and debris from the cutting area. Drill bit is great for drilling brick, stone, and concrete, ceramic, damp and dry masonry work and glass. Material is Carbon Steel.

Item No.	Description	Flute Length
BK **MU5164**	3/16" x 4"	3 1/8"
BK **MU5246**	1/4" x 6"	3 3/8"
BK **MU5326**	5/16" 6"	3 3/8"
BK **MU5406**	3/8" x 6"	3 3/8"
BK **MU5566**	1/2" x 6"	3 1/4"
BK **MU5576**	9/16" x 6"	3 3/8"
BK **MU5586**	5/8" x 6"	3 3/8"
BK **MU5606**	3/4" x 6"	3 1/4"
BK **MU5626**	7/8" x 6"	3 7/8"
BK **MU5646**	1" x 6"	3 3/8"

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AIRCRAFT EXTENSION DRILL BITS

Used for drilling holes in most ferrous and non-ferrous metals, wood and plastics. Made from M2 steel, the highest grade of high speed steel and is the best for durability and maintenance of cutting edge. Heat-treated to give the drill bit added durability and extend bit life. Sizes 3/16" and over have three flats put on the shank to give the drill chuck a tighter grip to prevent slippage under heavy loads. Manufactured with a 135° split point to instantly grab the work surface eliminating the need to start the hole with a center punch. Split points create a cleaner cut. Overall length is 12". Flute length is 2 3/8".

Item No.	Description
BK **AEDB516**	3/16" x 12"
BK **AEDB524**	1/4" x 12"
BK **AEDB532**	5/16" x 12"
BK **AEDB540**	3/8" x 12"
BK **AEDB548**	7/16" x 12"
BK **AEDB556**	1/2" x 12"

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SUPER MASONRY DRILL BITS

Specially designed to penetrate the porous material that makes up concrete, brick and mortar. These bits have a micro-gain carbide tip that is designed to chip and grind out the hole. Positive Carbide tip geometry for rotary drilling efficiency. Wide spiral flutes efficiently remove dust and debris from the cutting area. Nickel/Chrome-plated which gives an attractive finish and makes it rust resistant. Great for drilling high bulk materials such as damp masonry work, brick, cement, tile and cinder block. Material is Carbon Steel.

Item No.	Description	Flute Length
BK **MS516338**	3/16" x 3 3/8"	1 7/8"
BK **MS5166**	3/16" x 6"	3 1/8"
BK **MS5244**	1/4" x 4"	2 1/2"
BK **MS5246**	1/4" x 6"	3 3/8"
BK **MS5326**	5/16" x 6"	3 3/8"
BK **MS5406**	3/8" x 6"	3 3/8"
BK **MS556578**	1/2" x 5 7/8"	3 3/8"
BK **MS5576**	9/16" x 6"	3 3/8"
BK **MS5586**	5/8" x 6"	3 3/8"
BK **MS5606**	3/4" x 6"	3 1/4"
BK **MS562614**	7/8" x 6 1/4"	3 7/8"
BK **MS564612**	1" x 6 1/2"	3 3/8"

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WARNING: Always wear eye and face protection.

Milwaukee

3 PC. STEP DRILL SET

- JAM-FREE Performance: Dual-flute design provides greater speed and control
- Up to 2X faster: optimized for cordless drills in high speed
- Rapid Strike™ tip: creates fast, accurate starts and generates less heat

Features

- Up to 4X longer bit life: optimized geometry with black oxide coating to cut faster and produce less heat
- Up to 50% more holes per battery charge: greater user productivity
- Laser-engraved reference marks: easily stop on any hole size
- 3-Flat Secure-Grip™ shanks: reduces bit slippage in the chuck
- Made in the USA
- Individual open stock replacement bits available

Contents

Qty.	Description
1	#4 Step Drill Bit, 3/16" - 7/8" by 1/16" (*MIL* **48-89-9204**)
1	#2 Step Drill Bit, 3/16" - 1/2" by 1/16" (*MIL* **48-89-9202**)
1	#1 Step Drill Bit, 1/8" - 1/2" by 1/32" (*MIL* **48-89-9201**)
1	Carrying Case

MIL **48-89-9221**

Milwaukee

SHOCKWAVE™ IMPACT DUTY™ STEP BIT #9 7/8 IN. & 1-1/8 IN.

- Optimized for impact drivers, drill/driver compatible
- Titanium aluminum nitride (TiBone) coating delivers 5x longer life than competitive impact step bits
- The Rapid Strike Tip™ provides fast and accurate starts

Features

- A dual spiral flute combined with the Rapid Strike Tip™ delivers up to 2x faster holes than competitive impact step bits
- The optimized Shockzone™ reduces early shank breaks
- 2 steps with laser engraving for clear stop on size identification

Contents

Qty.	Description
1	Shockwave Impact Duty Step Bit #9, 7/8" and 1 1/8"

MIL **48-89-9249**

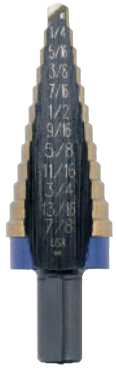
IRWIN

29 PC. COBALT M-35 METAL INDEX DRILL BIT SET

- Constructed of M-35 5 percent cobalt high speed steel for super abrasive resistance in tough metals
- Cobalt steel extends cutting edge life and maintains cutting life after resharpening
- Extra hard drill for greater wear
- 135° split point tip starts on contact, cuts with less force
- Reduced shank above 3/8" allows the use of larger drill bits in a 3/8" chuck
- Rubber overmolded case protects kit if dropped
- Tap & Drill selection chart for convenient reference.
- Automatic indexing for easy bit access and identification
- Removable cartridges: easy to carry bits from case to worksite
- Sizes include 1/16" to 1/2" in 1/64" increments

VG **3018002**

IRWIN Unibit



COBALT UNIBIT® STEP DRILL BIT

- M35 Grade HSS Cobalt
- High heat and abrasion resistance and longest cutting edge life
- Radial concave flute provides true round holes, greatest control and minimizes vibration
- 3-flatted shank won't slip in chuck
- Speedpoint tip provides faster starting - 6X faster than original Unibit®
- Laser-marked sizes are permanent and won't wear off with use
- New marking collar identifiable in use

Item No.	Description
VG **10231CB**	Cobalt Step Drill #1, 1/8"-1/2", 13 Holes
VG **10232CB**	Cobalt Step Drill #2, 3/16"-1/2", 6 Holes
VG **10233CB**	Cobalt Step Drill #3, 1/4"-3/4", 9 Holes
VG **10234CB**	Cobalt Step Drill #4, 3/16"-3/4", 12 Holes

IRWIN Unibit

UNIBIT® STEP DRILLS

The most recognized brand for professionals in automotive, electrical and plumbing. Unibit® cuts perfectly round holes in thin materials like: Stainless steel, copper, aluminum, brass, plastic, acrylic, wood, laminates.

- NEW SpeedPoint geometry penetrates 6 times faster than before and eliminates the need for center punching
- Easy to control, lets you see and feel each step as it penetrates
- Single, radial, concave flute drills perfectly round holes
- Compact design reaches places traditional drill bits cannot
- Perfect for body and frame work and easy to resharpen
- Metric sizes available

Item No.	Description	No. of Holes	Sizes	Shank (In.)	Step Thickness
VG **10231**	#1 Self-starting, Multiple Hole Sizes	13	1/8" - 1/2"	1/4"	1/32"
VG **10232**	#2 Self-starting, Multiple Hole Sizes	6	3/16" - 1/2"	1/4"	1/16"
VG **10233**	#3 Self-starting, Multiple Hole Sizes	9	1/4" - 3/4"	3/8"	1/16"
VG **10234**	#4 Self-starting, Multiple Hole Sizes	12	3/16" - 7/8"	3/8"	1/16"
VG **10310**	#10 Self-starting, Single Hole Sizes	1	1/2"	1/4"	1/8"
VG **10312ZR**	#12 Self-starting, Single Hole Sizes	1	3/8"	1/4"	1/8"
VG **10220**	#20 Hole Enlarging Bit	8	9/16" - 1"	1/2"	—
VG **10221**	#21 Hole Enlarging Bit	10	13/16" - 1 3/8"	1/2"	—

WARNING: Always wear eye and face protection.

Drill Bits

IRWIN Unibit

UNIBIT® STEP DRILL GENERAL-PURPOSE SET

This set features a full range of UNIBIT® Step Drill sizes from 1/8" to 1 3/8" packaged in a durable molded plastic case. Contains one each of the *VG* **10231**, *VG* **10232**, *VG* **10234**, and *VG* **10221** step drills.

VG **10225**

IRWIN Unibit

3 PC. UNIBIT® SET

Titanium Nitride coated.

VG **15502**

Contents

Item No.	Description
VG **151012R**	#1T UNIBIT®
VG **151022R**	#2T UNIBIT®
VG **151032R**	#3T UNIBIT®

IRWIN Unibit

3 PC. UNIBIT® SET

VG **10502ZR**

Contents

Item No.	Description
VG **10231**	#1 UNIBIT®
VG **10232**	#2 UNIBIT®
VG **10233**	#3 UNIBIT®

IRWIN Unibit

3 PC. COBALT UNIBIT® SET

Cobalt coated.

VG **10502CB**

Contents

Item No.	Description
VG **10231CB**	#1 1/8"-1/2", 13 Size
VG **10232CB**	#2 3/16"-1/2", 6 Size
VG **10233CB**	#3 1/4"-3/4", 9 Size

EVERCRAFT™

3 PC. STEP DRILL SET

1/4 in. hex shank 3 bit set replaces 17 individual drill bits and starts on contact, no center punch needed. Automatically deburrs holes as you drill. For use on steel, wood and plastics.

- 3/16 - 3/4 in. size range
- Includes 6, 9, & 13 Step
- Titanium Nitride Coated Steel
- 6 Step: 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 in.; 9 step: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 in.; 13 step: 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16 11/32, 3/8, 13/32, 7/16, 15/32, 1/2 in.

BK **776-0019**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3 PC. STEP DRILL BIT SET

- Step drill bit set features ultra-high hardness and super stability.
- Long service life
- Four flutes
- 1/8 – 1/2 in., 1/4 – 3/4 in., 3/16 – 7/8 in.

SER **M35SDBS3**

⚠ **WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

TAP & DRILL BIT SELECTION GUIDE

TAPS & DIES

Taps and dies are tooled to exacting specifications to ensure that bolts fit tightly and anchor securely. Taps are rust and tarnish resistant for greater durability and more accurate fitting.

Taper Taps:
8 to 10 threads chamfered for easy starting in tough materials.

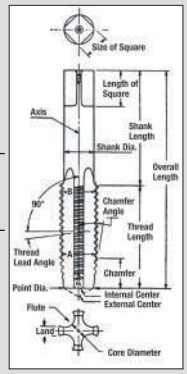
Plug Taps:
3 to 5 threads chamfered for general use when tapping to bottom of hole is not critical. (This is the most widely used type of tap.)

Bottoming Taps:
1 1/2 threads chamfered for use where thread must go to bottom of hole.

Note: Tap and die size is indicated by two numbers. The first number represents diameter of screw or bolt. The second number represents threads per inch. The letters after the tap size indicate particular screw or bolt standard.

Example: A 1/4-20NC tap will cut a 1/4" outside diameter with 20 threads per inch for a National Coarse type screw.

NC = National Coarse
NF = National Fine
NS = National Special
NEF = National Extra Fine
NPT = National Pipe Taper
BSP = British Standard Pipe



AMERICAN STANDARD & UNIFIED FORM THREADS

Tap drill size is approximately 75% of threaded depth.

Thread Nominal Size	Pitch Series	Drill Size	Drill Decimal Inches
0-80	NF	3/64"	.0469
1-64	NC	53	.0595
1-72	NF	53	.0595
2-56	NC	50	.0700
2-64	NF	50	.0700
3-48	NC	47	.0785
3-56	NF	45	.0820
4-40	NC-UNC	43	.0890
4-48	NF	42	.0935
5-40	NC	38	.1015
5-44	NF	37	.1040
6-32	NC-UNC	36	.1065
6-40	NF	33	.1130
8-32	NC-UNC	29	.1360
8-36	NF	29	.1360
10-24	NC-UNC	25	.1495
10-32	NF-UNF	21	.1590
3/16-24	NS	26	.1470
3/16-32	NS	22	.1570
12-24	NC	16	.1770
12-28	NF	14	.1820
14-20	NS	10	.1935
1/4-20	NC-UNC	7	.2010
1/4-28	NF-UNF	3	.2130
5/16-18	NC-UNC	F	.2570
5/16-24	NF-UNF	I	.2720
3/8-16	NC-UNC	5/16"	.3125
3/8-24	NF-UNF	Q	.3320
7/16-14	NC-UNC	U	.3680
7/16-20	NF-UNF	25/64"	.3906
1/2-13	NC-UNC	27/64"	.4219
1/2-20	NF-UNF	29/64"	.4531
9/16-12	NC-UNC	31/64"	.4844
9/16-18	NF-UNF	33/64"	.5156
5/8-11	NC-UNC	17/32"	.5312
5/8-18	NF-UNF	37/64"	.5781
3/4-10	NC-UNC	21/32"	.6562
3/4-16	NF-UNF	11/16"	.6875
7/8-9	NC-UNC	49/64"	.7656
7/8-14	NF-UNF	13/16"	.8125
1-8	NC-UNC	7/8"	.8750
1-14	NS	15/16"	.9375
1-1/8-7	NC-UNC	63/64"	.9844
1-1/8-12	NF-UNF	1 3/64"	1.0469
1-1/4-7	NC-UNC	1 7/64"	1.1094
1-1/4-12	NF-UNF	1 11/64"	1.1719
1-3/8-6	NC-UNC	1 7/32"	1.2188
1-3/8-12	NF-UNF	1 19/64"	1.2969
1-1/2-6	NC-UNC	1 11/32"	1.3438
1-1/2-12	NF-UNF	1 27/64"	1.4219
1-3/4-5	NC-UNC	1 9/16"	1.5625
2-4-1/2	NC-UNC	1 25/32"	1.7813
2-1/4-4-1/2	NC-UNC	2 1/32"	2.0313
2-1/2-4	NC-UNC	2 1/4"	2.2500
2-3/4-4	NC-UNC	2 1/2"	2.5000
3-4	NC-UNC	2 3/4"	2.7500
3-1/4-4	NC-UNC	3"	3.0000
3-1/4-4	NC-UNC	3 1/4"	3.2500
3-3/4-4	NC-UNC	3 1/2"	3.5000
4-4	NC-UNC	3 3/4"	3.7500

WARNING: Always wear eye and face protection.

Tap & Die

CARLYLE TOOLS by NAPA

METRIC THREADS

French International Standard (D.I.N.)

Tap Size	Standard	Drill Size	Drill Decimal Inches
2.5-.45	French	5/64"	.0781
2.6-.45	D.I.N.	#45	.0820
3-.50	D.I.N.	#40	.0980
3-.60	French	#39	.0995
3-.75	Optional	#43	.0890
3.5-.60	French & D.I.N.	#33	.1130
4-.70	D.I.N.	1/8"	.1250
4-.75	French	1/8"	.1250
4.5-.75	French & D.I.N.	#26	.1470
5-.75	Optional	#19	.1660
5-.80	D.I.N.	11/64"	.1719
5-.90	French	#20	.1610
5-1.00	Optional	5/32"	.1563
5.5-.75	Optional	3/16"	.1875
5.5-.90	French & D.I.N.	#14	.1820
6-1.00	French & D.I.N.	13/64"	.2031
6-1.25	Optional	3/16"	.1875
7-1.00	French & D.I.N.	15/64"	.2344
7-1.25	Optional	#1	.2280
8-1.00	French	J	.2770
8-1.25	D.I.N.	17/64"	.2656
9-1.00	French	5/16"	.3125
9-1.25	D.I.N.	5/16"	.3125
10-1.00	Optional	23/64"	.3594
10-1.25	Optional	11/32"	.3437
10-1.50	French & D.I.N.	11/32"	.3437
11-1.50	D.I.N.	3/8"	.3750
12-1.25	Optional	7/16"	.4375
12-1.50	French	13/32"	.4063
12-1.75	D.I.N.	27/64"	.4219
12-1.75	Optional	29/64"	.4531
13-1.50	Optional	29/64"	.4531
13-2.00	Optional	7/16"	.4375
14-1.25	Optional	33/64"	.5156
14-1.75	Optional	1/2"	.5000
14-2.00	French & D.I.N.	15/32"	.4687
15-1.75	Optional	17/32"	.5313
15-2.00	Optional	33/64"	.5156
16-1.50	Optional	37/64"	.5781
16-2.00	French & D.I.N.	35/64"	.5469
17-2.00	Optional	19/32"	.5937
18-1.50	Optional	21/32"	.6563

TAPER PIPE - FOR TAPPING WITHOUT REAMING

Thread	Drill	Thread	Drill	Thread	Drill
1/16"	D	3/4"	59/64"	2 1/2"	2 5/8"
1/8"	R	1"	15/32"	3"	3 1/4"
1/4"	7/16"	1 1/4"	1 1/2"	3 1/2"	3 3/4"
3/8"	37/64"	1 1/2"	1 47/64"	4"	4 1/4"
1/2"	45/64"	2"	27/32"	—	—

STRAIGHT PIPE

Thread	Drill	Thread	Drill	Thread	Drill
1/16"	1/4"	1/2"	23/32"	1 1/2"	1 3/4"
1/8"	11/32"	3/4"	59/64"	2"	27/32"
1/4"	7/16"	1"	15/32"	2 1/2"	2 21/32"
3/8"	37/64"	1 1/4"	1 1/2"	—	—

GEARWRENCH

114 PC. RATCHETING TAP AND DIE TOOL SET - SAE / MET

APX **82812**

WARNING: Always wear eye and face protection.

GEARWRENCH

77 PC. MEDIUM RATCHETING TAP & DIE DRIVE TOOL SET

- Sturdy blow mold cases
- Index holders for taps
- All taps and dies lock in place
- Carbon steel
- Kits features the Ratcheting "T" Wrench and adapters

APX **3887**

Contents

Description	Description
Medium Tap and Die	10 - 24 taper
Ratcheting "T" Wrench	10 - 32 taper
Small Tap Adapter	12 - 24 taper
Medium Tap Adapter	1/8 - 27 NPT
Medium Hex Die Adapter	1/4 - 20 NC
Sliding "T" for adapters	1/4 - 28 NF
SAE screw pitch gauge	5/16 - 18 NC
METRIC screw pitch gauge	5/16 - 24 NF
#5 screwdriver	3/8 - 16 NC
1/4 - 20 NC taper	3/8 - 24 NF
1/4 - 28 NF taper	7/16 -14 NC
5/16 - 18 NC taper	7/16 - 20 NF
5/16 24 NF taper	1/2 -13 NC
3/8 - 16 NC plug	1/2 - 20 NF
3/8 - 24 NF plug	4 - 40 taper
7/16 -14 NC plug	6 - 32 taper
7/16 - 20 NF plug	8 - 32 taper
1/2 - 13 NC plug	10 - 24 taper
1/2 - 20 NF plug	10 - 32 taper
4 - 40 taper	12 - 24 taper
6 - 32 taper	1/8 - 27 NPT
8 - 32 taper	3 x .50 taper
10 - 24 taper	3 x .60 taper
10 - 32 taper	4 x .70 taper
12 - 24 taper	4 x .75 taper
1/8 - 27 NPT	5 x .80 taper
1/4 - 20 NC taper	5 x .90 taper
1/4 - 28 NF taper	6 x 1.00 taper
5/16 - 18 NC taper	7 x 1.00 taper
5/16 24 NF taper	8 x 1.25 plug
3/8 - 16 NC plug	9 x 1.00 plug
3/8 - 24 NF plug	9 x 1.25 plug
7/16 -14 NC plug	10 x 1.25 plug
7/16 - 20 NF plug	10 x 1.50 plug
1/2 - 13 NC plug	11 x 1.50 plug
1/2 - 20 NF plug	12 x 1.50 plug
4 - 40 taper	12 x 1.75 plug
6 - 32 taper	1/8 - 28BSP
8 - 32 taper	

42 PC. MEDIUM RATCHETING TAP & DIE DRIVE TOOL SET

APX **3885**

SAE

Contents

Description	Description
Medium Tap and Die	10 - 24 taper
Ratcheting "T" Wrench	10 - 32 taper
Small Tap Adapter	12 - 24 taper
Medium Tap Adapter	1/8 - 27 NPT
Medium Hex Die Adapter	1/4 - 20 NC
Sliding "T" for adapters	1/4 - 28 NF
Thread gauge	5/16 - 18 NC
#5 screwdriver	5/16 - 24 NF
1/4 - 20 NC taper	3/8 - 16 NC
1/4 - 28 NF taper	3/8 - 24 NF
5/16 - 18 NC taper	7/16 -14 NC
5/16 24 NF taper	7/16 - 20 NF
3/8 - 16 NC plug	1/2 -13 NC
3/8 - 24 NF plug	1/2 - 20 NF
7/16 -14 NC plug	4 - 40 taper
7/16 - 20 NF plug	6 - 32 taper
1/2 - 13 NC plug	8 - 32 taper
1/2 - 20 NF plug	10 - 24 taper
4 - 40 taper	10 - 32 taper
6 - 32 taper	12 - 24 taper
8 - 32 taper	1/8 - 27 NPT

42 PC. MEDIUM RATCHETING TAP & DIE DRIVE TOOL SET

APX **3886**

MET

Contents

Description	Description
Medium Tap and Die Ratcheting "T" Wrench	10 x 1.50 plug
	11 x 1.50 plug
Small Tap Adapter	12 x 1.50 plug
Medium Tap Adapter	12 x 1.75 plug
Medium Hex Die Adapter	3 x .60
Sliding "T" for adapters	4 x .70
Thread gauge	4 x .75
#5 screwdriver	5 x .80
3 x .50 taper	5 x .90
3 x .60 taper	6 x 1.00
4 x .70 taper	7 x 1.00
4 x .75 taper	8 x 1.25
5 x .80 taper	9 x 1.00
5 x .90 taper	9 x 1.25
6 x 1.00 taper	10 x 1.25
7 x 1.00 taper	10 x 1.50
8 x 1.25 plug	11 x 1.50
9 x 1.00 plug	12 x 1.50
9 x 1.25 plug	12 x 1.75
10 x 1.25 plug	1/8 - 28BSP

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

75 PC. TAP & DIE SET – SAE/METRIC

SAE MET

BK **T-1153**

Contents

Item No.	Size
Taps	
BK **T-102**	4 - 40 NC
BK **T-104**	6 - 32 NC
BK **T-105**	8-32 NC
BK **T-106**	10 - 24 NC
BK **T-107**	10 - 32 NF
BK **T-108**	12 - 24 NC
BK **T-202**	1/4" - 20 NC
BK **T-207**	1/4" - 28 NF
BK **T-203**	5/16" - 18 NC
BK **T-208**	5/16" - 24 NF
BK **T-204**	3/8" - 16 NC
BK **T-209**	3/8" - 24 NF
BK **T-205**	7/16" - 14 NC
BK **T-210**	7/16" - 20 NF
BK **T-206**	1/2" - 13 NC
BK **T-211**	1/2" - 20 NF
BK **T-301**	1/8" - 27 NPT
BK **T-302**	1/4" - 18 NPT
BK **55081**	3- .50mm
BK **55091**	3 - .60mm
BK **55121**	4 - .70mm
BK **55131**	4 - .75mm
BK **55161**	5 - .80mm
BK **55171**	5 - .90mm
BK **55211**	6 - 1.00mm
BK **55231**	7 - 1.00mm
BK **55261**	8 - 1.25mm
BK **55281**	9 - 1.00mm
BK **55291**	9 - 1.25mm
BK **55311**	10 - 1.25mm
BK **55321**	10 - 1.50mm
BK **55331**	11 - 1.50mm
BK **55351**	12 - 1.50mm
BK **55361**	12 - 1.75mm
Dies	
BK **TH-102**	4 - 40 NC
BK **TH-104**	6 - 32 NC
BK **TH-105**	8 - 32 NC
BK **TH-106**	10 - 24 NC
BK **TH-107**	10 - 32 NF

Item No.	Size
BK **TH-108**	12 - 24 NC
BK **TH-202**	1/4" - 20 NC
BK **TH-207**	1/4" - 28 NF
BK **TH-203**	5/16" - 18 NC
BK **TH-208**	5/16" - 24 NF
BK **TH-204**	3/8" - 16 NC
BK **TH-209**	3/8" - 24 NF
BK **TH-205**	7/16" - 14 NC
BK **TH-210**	7/16" - 20 NF
BK **TH-206**	1/2" - 13 NC
BK **TH-211**	1/2" - 20 NF
BK **TH-301**	1/8" - 27 NPT
BK **TH-302**	1/4" - 18 NPT
BK **55581**	3 - .50mm
BK **55591**	3 - .60mm
BK **55621**	4 - .70mm
BK **55631**	4 - .75mm
BK **55661**	5 - .80mm
BK **55671**	5 - .90mm
BK **55711**	6 - 1.00mm
BK **55731**	7 - 1.00mm
BK **55761**	8 - 1.25mm
BK **55781**	9 - 1.00mm
BK **55791**	9 - 1.25mm
BK **55811**	10 - 1.25mm
BK **55821**	10 - 1.50mm
BK **55831**	11 - 1.50mm
BK **55851**	12- 1.50mm
BK **55861**	12 - 1.75mm
Accessories	
BK **TS-102**	1" Die Stock
BK **TW-205**	0" - 1/2" Tap Wrench
BK **TW-201**	0" - 1/4" T-Handle
BK **TW-203**	0 - 1/2" Adjustable Tap Wrench
—	SAE Thread Pitch Gauge
—	Metric Thread Pitch Gauge
—	#5 Screwdriver

65 PC. EXPERT TAP & DIE SET – SAE

SAE

BK **T-1154**

Contents

Item No.	Size
Taps	
BK **T-311**	4 - 40 NC
BK **T-313**	6 - 32 NC
BK **T-314**	8 - 32 NC
BK **T-315**	10 - 24 NC
BK **T-316**	10 - 32 NF
BK **T-317**	12 - 24 NC
BK **T-330**	1/4" - 20 NC
BK **T-331**	1/4" - 28 NF
BK **T-332**	5/16" - 18 NC
BK **T-333**	5/16" - 24 NF
BK **T-204**	3/8" - 16 NC
BK **T-209**	3/8" - 24 NF
BK **T-205**	7/16" - 14 NC
BK **T-210**	7/16" - 20 NF
BK **T-206**	1/2" - 13 NC
BK **T-211**	1/2" - 20 NF
BK **T-212**	9/16" - 12 NC
BK **T-213**	5/8" - 11 NC
BK **T-216**	9/16" - 18 NF
BK **T-217**	5/8" - 18 NF
BK **T-214**	3/4" - 10 NC
BK **T-110**	3/4" - 16 NF
BK **T-215**	7/8" - 9 NC
BK **T-111**	7/8" - 14 NF
BK **T-112**	1" - 8 NC
BK **T-114**	1" - 14 NS
BK **T-301**	1/8" - 27 NPT
BK **T-302**	1/4" - 18 NPT
Dies	
BK **TH-102**	4 - 40 NC
BK **TH-104**	6 - 32 NC
BK **TH-105**	8 - 32 NC
BK **TH-106**	10 - 24 NC
BK **TH-107**	10 - 32 NF
BK **TH-108**	12 - 24 NC
BK **TH-202**	1/4" - 20 NC
BK **TH-207**	1/4" - 28 NF
BK **TH-203**	5/16" - 18 NC
BK **TH-208**	5/16" - 24 NF

Item No.	Size
BK **TH-204**	3/8" - 16 NC
BK **TH-209**	3/8" - 24 NF
BK **TH-205**	7/16" - 14 NC
BK **TH-210**	7/16" - 20 NF
BK **TH-206**	1/2" - 13 NC
BK **TH-211**	1/2" - 20 NF
BK **TH-212**	9/16" - 12 NC
BK **TH-213**	9/16" - 18 NF
BK **TH-214**	5/8" - 18 NF
BK **TH-215**	5/8" - 11 NC
BK **TH-216**	3/4" - 10 NC
BK **TH-217**	3/4" - 16 NF
BK **TH-218**	7/8" - 9 NC
BK **TH-219**	7/8" - 14 NF
BK **TH-220**	1" - 8 NC
BK **TH-222**	1" - 14 NS
BK **TH-301**	1/8" - 27 NPT
BK **TH-302**	1/4" - 18 NPT
Accessories	
BK **TS-102**	1" Die Stock
BK **TS-103**	1-7/16" Adjustable Die Stock
BK **TS-104**	1-7/8" Die Stock
BK **TW-205**	0" - 1/2" Tap Wrench
BK **TW-201**	0" - 1/4" T-Handle
BK **TW-206**	1/4" - 3/4" Adjustable Tap Wrench
BK **TW-207**	1/2" - 1-1/8" Adjustable Tap Wrench
—	SAE Thread Pitch Gauge
—	#5 Screwdriver

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

58 PC. PRO SERIES TAP & DIE SET – SAE

BK **T-1155**

SAE

Contents

Item No.	Size
Taps	
BK **T-104**	6 - 32 NC
BK **T-105**	8-32 NC
BK **T-106**	10 - 24 NC
BK **T-107**	10 - 32 NF
BK **T-108**	12 - 24 NC
BK **T-202**	1/4" - 20 NC
BK **T-207**	1/4" - 28 NF
BK **T-203**	5/16" - 18 NC
BK **T-208**	5/16" - 24 NF
BK **T-204**	3/8" - 16 NC
BK **T-209**	3/8" - 24 NF
BK **T-205**	7/16" - 14 NC
BK **T-210**	7/16" - 20 NF
BK **T-206**	1/2" - 13 NC
BK **T-211**	1/2" - 20 NF
BK **T-212**	9/16" - 12 NC
BK **T-213**	5/8" - 11 NC
BK **T-216**	9/16" - 18 NF
BK **T-217**	5/8" - 18 NF
BK **T-214**	3/4" - 10 NC
BK **T-110**	3/4" - 16 NF
BK **T-301**	1/8" - 27 NPT
BK **T-302**	1/4" - 18 NPT
Dies	
BK **TH-104**	6 - 32 NC
BK **TH-105**	8 - 32 NC
BK **TH-106**	10 - 24 NC
BK **TH-107**	10 - 32 NF
BK **TH-108**	12 - 24 NC
BK **TH-202**	1/4" - 20 NC
BK **TH-207**	1/4" - 28 NF

Item No.	Size
BK **TH-203**	5/16" - 18 NC
BK **TH-208**	5/16" - 24 NF
BK **TH-204**	3/8" - 16 NC
BK **TH-209**	3/8" - 24 NF
BK **TH-205**	7/16" - 14 NC
BK **TH-210**	7/16" - 20 NF
BK **TH-206**	1/2" - 13 NC
BK **TH-211**	1/2" - 20 NF
BK **TH-212**	9/16" - 12 NC
BK **TH-213**	9/16" - 18 NF
BK **TH-214**	5/8" - 18 NF
BK **TH-215**	5/8" - 11 NC
BK **TH-216**	3/4" - 10 NC
BK **TH-217**	3/4" - 16 NF
BK **TH-301**	1/8" - 27 NPT
BK **TH-302**	1/4" - 18 NPT
Accessories	
BK **TS-102**	1" Die Stock
BK **TS-103**	1-7/16" Adjustable Die Stock
BK **TW-205**	0" - 1/2" Tap Wrench
BK **TW-201**	0" - 1/4" T-Handle
BK **TW-206**	1/4" - 3/4" Adjustable Tap Wrench
—	SAE Thread Pitch Gauge
—	#5 Screwdriver
—	#5 17/64" Drill
—	#4 1/4" Drill
—	#3 5/32" Drill
—	#2 7/64" Drill
—	#1 5/64" Drill

39 PC. TAP & DIE SET– SAE

BK **T-1141**

Contents

Item No.	Size
Taps	
BK **T-102**	4 - 40 NC
BK **T-104**	6 - 32 NC
BK **T-105**	8-32 NC
BK **T-106**	10 - 24 NC
BK **T-107**	10 - 32 NF
BK **T-108**	12 - 24 NC
BK **T-202**	1/4" - 20 NC
BK **T-207**	1/4" - 28 NF
BK **T-203**	5/16" - 18 NC
BK **T-208**	5/16" - 24 NF
BK **T-204**	3/8" - 16 NC
BK **T-209**	3/8" - 24 NF
BK **T-205**	7/16" - 14 NC
BK **T-210**	7/16" - 20 NF
BK **T-206**	1/2" - 13 NC
BK **T-211**	1/2" - 20 NF
BK **T-301**	1/8" - 27 NPT
Dies	
BK **TH-102**	4 - 40 NC
BK **TH-104**	6 - 32 NC
BK **TH-105**	8 - 32 NC

Item No.	Size
BK **TH-106**	10 - 24 NC
BK **TH-107**	10 - 32 NF
BK **TH-108**	12 - 24 NC
BK **TH-202**	1/4" - 20 NC
BK **TH-207**	1/4" - 28 NF
BK **TH-203**	5/16" - 18 NC
BK **TH-208**	5/16" - 24 NF
BK **TH-204**	3/8" - 16 NC
BK **TH-209**	3/8" - 24 NF
BK **TH-205**	7/16" - 14 NC
BK **TH-210**	7/16" - 20 NF
BK **TH-206**	1/2" - 13 NC
BK **TH-211**	1/2" - 20 NF
BK **TH-301**	1/8" - 27 NPT
Accessories	
BK **TS-102**	1" Die Stock
BK **TW-205**	0" - 1/2" Tap Wrench
BK **TW-201**	0" - 1/4" T-Handle
—	SAE Thread Pitch Gauge
—	#5 Screwdriver

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

39 PC. TAP & DIE SET – METRIC

Includes 16 taps, 16 dies and assorted accessories in a formed plastic case with removable tray.

BK **55511**

Contents

Item No.	Size
Taps	
BK **T-301**	1/8" - 27 NPT
BK **55081**	3 - .50mm
BK **55091**	3 - .60mm
BK **55121**	4 - .70mm
BK **55131**	4 - .75mm
BK **55161**	5 - .80mm
BK **55171**	5 - .90mm
BK **55211**	6 - 1.00mm
BK **55231**	7 - 1.00mm
BK **55261**	8 - 1.25mm
BK **55281**	9 - 1.00mm
BK **55291**	9 - 1.25mm
BK **55311**	10 - 1.25mm
BK **55321**	10 - 1.50mm
BK **55331**	11 - 1.50mm
BK **55351**	12 - 1.50mm
BK **55361**	12 - 1.75mm
Dies	
BK **TH-301**	1/8" - 27 NPT
BK **55581**	3 - .50mm
BK **55591**	3 - .60mm

Item No.	Size
BK **55621**	4 - .70mm
BK **55631**	4 - .75mm
BK **55661**	5 - .80mm
BK **55671**	5 - .90mm
BK **55711**	6 - 1.00mm
BK **55731**	7- 1.00mm
BK **55761**	8 - 1.25mm
BK **55781**	9 - 1.00mm
BK **55791**	9 - 1.25mm
BK **55811**	10 - 1.25mm
BK **55821**	10 - 1.50mm
BK **55831**	11 - 1.50mm
BK **55851**	12 - 1.50mm
BK **55861**	12 - 1.75mm
Accessories	
BK **TS-102**	1" Die Stock
BK **TW-205**	0" - 1/2" Tap Wrench
BK **TW-201**	0" - 1/4" T-Handle
—	Metric Thread Pitch Gauge
—	#5 Screwdriver

19 PC. TAP & DIE SET – SAE

BK **T-1143**

Contents

Item No.	Size
Taps	
BK **T-104**	6 - 32 NC
BK **T-105**	8-32 NC
BK **T-106**	10 - 24 NC
BK **T-107**	10 - 32 NF
BK **T-108**	12 - 24 NC
BK **T-202**	1/4" - 20 NC
BK **T-207**	1/4" - 28 NF
BK **T-203**	5/16" - 18 NC
BK **T-208**	5/16" - 24 NF
BK **T-204**	3/8" - 16 NC
BK **T-209**	3/8" - 24 NF

Item No.	Size
Dies	
BK **TH-202**	1/4" - 20 NC
BK **TH-207**	1/4" - 28 NF
BK **TH-203**	5/16" - 18 NC
BK **TH-208**	5/16" - 24 NF
BK **TH-204**	3/8" - 16 NC
BK **TH-209**	3/8" - 24 NF
Accessories	
BK **TS-101**	1" Die Stock
BK **TW-201**	0" - 1/4" T-Handle
—	Tap Block for 1" Die Stock

27 PC. TAP & DIE SET – SAE

BK **T-1142**

Contents

Item No.	Size
Taps	
BK **T-202**	1/4" - 20 NC
BK **T-207**	1/4" - 28 NF
BK **T-203**	5/16" - 18 NC
BK **T-208**	5/16" - 24 NF
BK **T-204**	3/8" - 16 NC
BK **T-209**	3/8" - 24 NF
BK **T-205**	7/16" - 14 NC
BK **T-210**	7/16" - 20 NF
BK **T-206**	1/2" - 13 NC
BK **T-211**	1/2" - 20 NC
BK **T-301**	1/8" - 27 NPT
Dies	
BK **TH-202**	1/4" - 20 NC
BK **TH-207**	1/4" - 28 NF

Item No.	Size
BK **TH-203**	5/16" - 18 NC
BK **TH-208**	5/16" - 24 NF
BK **TH-204**	3/8" - 16 NC
BK **TH-209**	3/8" - 24 NF
BK **TH-205**	7/16" - 14 NC
BK **TH-210**	7/16" - 20 NF
BK **TH-206**	1/2" - 13 NC
BK **TH-211**	1/2" - 20 NC
BK **TH-301**	1/8" - 27 NPT
Accessories	
BK **TS-102**	1" Die Stock
BK **TW-205**	0" - 1/2" Tap Wrench
BK **TW-201**	0" - 1/4" T-Handle
—	SAE Thread Pitch Gauge
—	#5 Screwdriver

26 PC. SAE TAP & DIE SET

Tap and die set comes with everything you need for clean, straight threading.

Tap Sizes:

- **Coarse Taps:** 1/4 in. - 20, 5/16 in. - 18, 3/8 in. - 16, 7/16 in. - 14, 1/2 in. - 13, 9/16 in. - 12;
- **Fine Taps:** 1/4 in. - 28, 5/16 in. - 24, 3/8 in. - 24, 7/16 in. - 20, 1/2 in. - 20, 9/16 in. - 18

SER **2581**

WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

15 PC. METRIC TAP AND DIE SET

Tap and die set comes with everything you need for clean, straight threading.

- **Includes metric restorer file sizes:** 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50 and 3.00
- **Includes die sizes:** M6 – 1.00, M8 – 1.25, M10 – 1.25, M10 – 1.50, M12 – 1.25, M12 – 1.50, M12 – 1.75
- **Includes tap sizes:** M6 – 1.00, M8 – 1.25, M10 – 1.25, M10 – 1.50, M12 – 1.25, M12 – 1.50, M12 – 1.75

SER **2584**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

6 PC. TAP SET – SAE

BK **T-1144**

SAE

Contents

Item No.	Size
BK **T-202**	1/4" - 20 NC
BK **T-203**	5/16" - 18 NC
BK **T-204**	3/8" - 16 NC
BK **T-205**	7/16" - 14 NC
BK **T-206**	1/2" - 13 NC
BK **TW-203**	0 - 1/2" Adjustable Tap Wrench

HIGH-CARBON STEEL MACHINE SCREW TAPS

For cleaner, more accurate cutting of internal threads. Rust-resistant, high-carbon steel construction for durability.

BK **T-313**

Size	Taper Item No.	Plug Item No.	Bottom Item No.
4-36 NS	—	*BK* **T-320**	—
4-40 NC	—	*BK* **T-102**	—
5-40 NC	—	*BK* **T-103**	—
6-32 NC	*BK* **T-313**	*BK* **T-104**	—
8-32 NC	*BK* **T-314**	*BK* **T-105**	*BK* **T-238**
10-24 NC	*BK* **T-315**	*BK* **T-106**	*BK* **T-240**
10-32 NF	*BK* **T-316**	*BK* **T-107**	*BK* **T-242**
12-24 NC	*BK* **T-317**	*BK* **T-108**	—
14-20 NS	—	*BK* **T-321**	—
14-24 NS	—	*BK* **T-322**	—

HIGH-CARBON STEEL FRACTIONAL TAPS

For cleaner, more accurate cutting of internal threads. Rust-resistant, high-carbon steel construction for durability.

BK **T-330**

Size	Taper Item No.	Plug Item No.	Bottom Item No.
3/16"-24 NS	*BK* **T-328**	*BK* **T-201**	—
3/16"-32 NS	*BK* **T-329**	*BK* **T-200**	—
1/4"-20 NC	*BK* **T-330**	*BK* **T-202**	*BK* **T-220**
1/4"-28 NF	*BK* **T-331**	*BK* **T-207**	*BK* **T-229**
5/16"-18 NC	*BK* **T-332**	*BK* **T-203**	*BK* **T-221**
5/16"-24 NF	*BK* **T-333**	*BK* **T-208**	*BK* **T-230**
3/8"-16 NC	*BK* **T-334**	*BK* **T-204**	*BK* **T-222**
3/8"-24 NF	*BK* **T-335**	*BK* **T-209**	*BK* **T-231**
7/16"-14 NC	*BK* **T-336**	*BK* **T-205**	*BK* **T-223**
7/16"-20 NF	*BK* **T-337**	*BK* **T-210**	*BK* **T-232**
1/2"-13 NC	*BK* **T-338**	*BK* **T-206**	*BK* **T-224**
1/2"-20 NF	*BK* **T-339**	*BK* **T-211**	*BK* **T-233**
9/16"-12 NC	*BK* **T-340**	*BK* **T-212**	*BK* **T-225**
9/16"-18 NF	*BK* **T-341**	*BK* **T-216**	*BK* **T-234**
5/8"-11 NC	*BK* **T-342**	*BK* **T-213**	*BK* **T-226**
5/8"-18 NF	*BK* **T-343**	*BK* **T-217**	*BK* **T-235**
3/4"-10 NC	*BK* **T-344**	*BK* **T-214**	*BK* **T-227**
3/4"-16 NF	*BK* **T-345**	*BK* **T-110**	*BK* **T-236**
7/8"-9 NC	—	*BK* **T-215**	—
7/8"-14 NF	—	*BK* **T-111**	—
1"-8 NC	—	*BK* **T-112**	—
1"-12 NF	—	*BK* **T-113**	—
1"-14 NS	—	*BK* **T-114**	—

METRIC HIGH-CARBON STEEL TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction ensures durability.

BK **55081**

Size	Plug Item No.	Bottom Item No.
3mm-0.5mm	*BK* **55081**	—
3mm-0.6mm	*BK* **55091**	—
4mm-0.7mm	*BK* **55121**	—
4mm-0.75mm	*BK* **55131**	—
5mm-0.8mm	*BK* **55161**	—
5mm-0.9mm	*BK* **55171**	—
6mm-1mm	*BK* **55211**	*BK* **55435**
7mm-1mm	*BK* **55231**	—
8mm-1.25mm	*BK* **55261**	*BK* **55437**
9mm-1mm	*BK* **55281**	—
9mm-1.25mm	*BK* **55291**	—
10mm-1.25mm	*BK* **55311**	*BK* **55439**
10mm-1.5mm	*BK* **55321**	*BK* **55440**
11mm-1.5mm	*BK* **55331**	—
12mm-1.5mm	*BK* **55351**	—
12mm-1.75mm	*BK* **55361**	*BK* **55441**
14mm-1.25mm	*BK* **T-248**	*BK* **55442**
14mm-1.5mm	*BK* **55412**	—
14mm-2mm	*BK* **55413**	*BK* **55443**
16mm-1.5mm	*BK* **55414**	*BK* **55444**
16mm-2mm	*BK* **55415**	*BK* **55445**
18mm-1.5mm	*BK* **T-249**	—
18mm-2.5mm	*BK* **55417**	—

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

HIGH-CARBON STEEL PIPE TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction ensures durability.

BK **T-301**

Item No.	Description
BK **T-301**	1/8"-27 NPT
BK **T-302**	1/4"-18 NPT
BK **T-303**	3/8"-18 NPT
BK **T-304**	1/2"-14 NPT
BK **T-360**	3/4"-14 NPT

Item No.	Description
BK **T-361**	1"–11 1/2 NPT
BK **T-362**	1 1/4"–11 1/2 NPT
BK **T-363**	1 1/2"–11 1/2 NPT
BK **T-364**	2"–11 1/2 NPT

HIGH-CARBON STEEL SPARK PLUG TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction ensures durability.

BK **T-370** 7/8"-18 NS
BK **T-371** 10-1mm
BK **T-372** 12-1.25mm

BK **T-370**

HIGH-SPEED STEEL TAPER PIPE TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction for durability.

BK **T-440** 1/8"-27 NPT
BK **T-441** 1/4"-18 NPT High-Speed

BK **T-440**

HIGH-SPEED STEEL PLUG FRACTIONAL TAPS

BK **T-400**

High-speed taps are used when a stronger tap is required and provide cleaner, more accurate cutting of internal threads. Ideal for use with most materials, including stainless and alloy steels. Tough, rust-resistant carbon steel construction for durability.

Item No.	Description
BK **T-400**	1/4"-20 NC /
BK **T-401**	1/4"-28 NF
BK **T-402**	5/16"-18 NC
BK **T-403**	5/16"-24 NF
BK **T-404**	3/8"-16 NC
BK **T-405**	3/8"-24 NF
BK **T-406**	7/16"-14 NC
BK **T-407**	7/16"-20 NF

Item No.	Description
BK **T-408**	1/2"-13 NC
BK **T-409**	1/2"-20 NF
BK **T-410**	9/16"-12 NC
BK **T-411**	9/16"-18 NF
BK **T-412**	5/8"-11 NC
BK **T-413**	5/8"-18 NF
BK **T-414**	3/4"-10 NC
BK **T-415**	3/4"-16 NF

TAP & DRILL BIT SETS

High-carbon steel taps with matching industrial, high-speed steel drill bits provide the proper hole size for easier tapping and creating stronger threads.

BK **T-100**

Item No.	Tap	Drill
BK **TD-107**	1/4" x 18 NF	#3 Bit
BK **TD-111**	1/4" x 18 NPT	7/16" Bit
BK **TD-106**	1/4" x 20 NC	#7 Bit
BK **TD-108**	5/16" x 18 NC	F Bit
BK **TD-109**	3/8" x 16 NC	5/16" Bit
BK **TD-110**	1/2" x 13 NC	27/64" Bit

Item No.	Tap	Drill
BK **TD-100**	#4 x 40 NC	#43 Bit
BK **TD-101**	#6 x 32 NC	7/64" Bit
BK **TD-102**	#8 x 32 NC	#29 Bit
BK **TD-103**	#10 x 24 NC	#25 Bit
BK **TD-104**	#10 x 32 NC	#21 Bit
BK **TD-105**	#12 x 24 NC	#16 Bit

8 PC. TAP SOCKET SET

Ideal for use in areas where a T-handle won't fit. Set of eight sockets fits all number and fractional M.C.T.I. standard taps through 1/2". Also fits 1/8" NPT taps and metric taps through 12mm manufactured to M.C.T.I. standards. Sockets contained on a vinyl holder.

SER **77-4032**

Specifications

Socket No.	Fits In.	Fits Metric	Shank Dia.	Sq. Size
#1	#1, 2, 3, 4, 6,8	1.6, 1.8, 2, 2.2, 2.5, 3, 3.15, 3.5mm	.141	.110
#2	#8	4mm	.168	.131
#3	#10	4.5, 5mm	.194	.152
#4	1/4"	6, 6.3mm	.255	.191
#5	5/16", 7/16"	7, 8mm	.323	.242
#6	3/8"	10mm	.381	.286
#7	1/2"	12, 12.5mm	.367	.275
#8	1/8" NPT	—	.437	.328

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HIGH-CARBON STEEL FRACTIONAL HEX DIES

BK **TH-208**

For cutting external threads. Versatile hexagon shape for use with adjustable wrenches. Tough, high-carbon steel construction for durability.

Size	1" Across Flat Item No.	1 7/16" Across Flat Item No.	1 13/16" Across Flat Item No.
3/16"-24 NS	*BK* **TH-201**	—	—
3/16"-32 NS	*BK* **TH-109**	—	—
1/4"-20 NC	*BK* **TH-202**	—	—
1/4"-28 NF	*BK* **TH-207**	—	—
5/16"-18 NC	*BK* **TH-203**	—	—
5/16"-24 NF	*BK* **TH-208**	—	—
3/8"-16 NC	*BK* **TH-204**	—	—
3/8"-24 NF	*BK* **TH-209**	—	—
7/16"-14 NC	*BK* **TH-205**	—	—
7/16"-20 NF	*BK* **TH-210**	—	—
1/2"-13 NC	*BK* **TH-206**	—	—
1/2"-20 NF	*BK* **TH-211**	—	—
9/16"-12 NC	—	*BK* **TH-212**	—
9/16"-18 NF	—	*BK* **TH-213**	—
5/8"-11 NC	—	*BK* **TH-214**	—
5/8"-18 NF	—	*BK* **TH-215**	—
3/4"-10 NC	—	*BK* **TH-216**	—
3/4"-16 NF	—	*BK* **TH-217**	—
7/8"-9 NC	—	—	*BK* **TH-218**
7/8"-14 NF	—	—	*BK* **TH-219**
1"-8 NC	—	—	*BK* **TH-220**
1"-12 NF	—	—	*BK* **TH-221**
1"-14 NS	—	—	*BK* **TH-222**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

HIGH-CARBON STEEL MACHINE SCREW HEX DIES

BK **TH-102**

High-carbon steel hexagon dies are ideal for cutting right-hand external threads. Hex head shape is designed for use in die stocks and adjustable wrenches.

Size	1 In. Across Flat Item No.	Size	1 In. Across Flat Item No.
4-40 NC	*BK* **TH-102**	10-24 NC	*BK* **TH-106**
5-40 NC	*BK* **TH-103**	10-32 NF	*BK* **TH-107**
6-32 NC	*BK* **TH-104**	12-24 NC	*BK* **TH-108**
8-32 NC	*BK* **TH-105**		

CARLYLE TOOLS by NAPA

HIGH-CARBON STEEL PIPE HEX DIES

BK **TH-301**

One-inch across flat dies for cutting external threads. Tough, high-carbon steel construction for durability.

BK **TH-301** 1/8"-27 NPT
BK **TH-302** 1/4"-18 NPT

CARLYLE TOOLS by NAPA

METRIC HEX DIES

BK **55581**

Tough, 1" across flat dies for cutting external threads. Versatile hexagon shape compatible with die stock adjustable wrenches. Carbon steel construction for long life and durability.

Item No.	Description	Item No.	Description
BK **55581**	3mm-0.50mm	*BK* **55781**	9mm-1.00mm
BK **55591**	3mm-0.60mm	*BK* **55791**	9mm-1.25mm
BK **55621**	4mm-0.70mm	*BK* **55911**	10mm-1.00mm
BK **55631**	4mm-0.75mm	*BK* **55811**	10mm-1.25mm
BK **55661**	5mm-0.80mm	*BK* **55821**	10mm-1.50mm
BK **55671**	5mm-0.90mm	*BK* **55831**	11mm-1.50mm
BK **55711**	6mm-1.00mm	*BK* **55912**	12mm-1.25mm
BK **55731**	7mm-1.00mm	*BK* **55851**	12mm-1.50mm
BK **55761**	8mm-1.25mm	*BK* **55861**	12mm-1.75mm

IRWIN

IRWIN® HANSON® DIE SETS

We're working with a variety of tradesmen to solve endless fastening challenges: IRWIN® HANSON® Taps & Dies are the answer. Whether creating new tools from raw steel or repairing damaged and worn threads, achieving a precise fit is essential. IRWIN Industrial Tools® sets the standard for delivering quality every step of the way in your threading applications.

117 PC. MACHINE SCREW / FRACTIONAL / METRIC TAP & HEX DIE AND DRILL BIT DELUXE SET

Contains: 117 of the most common machine screw plug tap and hex die sizes, drill bits, spiral screw extractors, an adjustable handle tap wrench, 2-in-1 tap wrench, t-handle wrench, and pitch gauges

VG **26377**

116 PC. MACHINE / FRACTIONAL / METRIC PLUG TAP AND 1 IN. HEX DIE SET

Drive Tools

- No more set-screw needed, simply twist to insert and remove die
- Ergonomic handles for more control and comfort when threading
- Drive with die stock, 3/" ratchet or t-handle included
- Drive with adjustable jaw
- Die adapter accommodates standard 1" hex dies

Taps

- Self-Aligning taps start and thread straight every time
- Chip breaking technology cuts chips easier

Dies

- Self-Aligning dies start and tread straight every time
- Additional strength - more steel at critical points

Includes

Tap and die set includes: Pipe: 1/8" - 27 NPT and 1/8" - 28 BSP
Spiral-flute screw extractor: EX-1, EX-2, EX-3, EX-4 and EX-5
Machine screw: 4 - 40 NC, 6 - 32 NC, 8 - 32 NC, 10 - 24 NC, 10 - 32 NF and 12 - 24 NC
Fractional: 1/4" - 20 NC, 1/4" - 28 NF, 5/16" - 18 NC, 5/16" - 24 NF, 3/8" - 16 NC, 3/8" - 24 NF, 7/16" - 14 NC, 7/16" - 20 NF, 1/2" - 13 NC and 1/2" - 20 NF
Metric: 3mm - 0.5, 4mm - 0.7, 4mm - 0.75, 5mm - 0.8, 5mm - 0.9, 6mm - 1.0, 7mm - 1.0, 8mm - 1.0, 8mm - 1.25, 9mm - 1.0, 9mm - 1.25, 10mm - 1.25, 10mm - 1.5, 11mm - 1.5, 12mm - 1.25 and 12mm - 1.75
Tap and die set includes: Pipe: 1/8" - 27 NPT and 1/8" - 28 BSP
Spiral-flute screw extractor: EX-1, EX-2, EX-3, EX-4 and EX-5

VG **1813817**

WARNING: Always wear eye and face protection.

Tap & Die

IRWIN

76 PC. MACHINE SCREW / FRACTIONAL / METRIC TAP & HEX DIE SET

Includes

Machine screws: 4 - 40 NC, 6 - 32 NC, 8 - 32 NC, 10 - 24 NC, 10 - 32 NF and 12 - 24 NC
Fractional: 1/4" - 20 NC, 1/4" - 28 NF, 5/16" - 18 NC, 5/16" - 24 NF, 3/8" - 16 NC, 3/8" - 24 NF, 7/16" - 14 NC, 7/16" - 20 NF, 1/2" - 13 NC and 1/2" 20 NF
Metric: 5/8" hexagon: 3mm - 0.5, 4mm - 0.7, 4mm - 0.75, 5mm - 0.8, 5mm - 0.9 and 6mm - 1.0

VG **26376**

41 PC. MACHINE SCREW / FRACTIONAL TAP & HEX DIE SET

41 Piece, SAE machine screw & fractional tap & hex die set, dies are ideal for routine maintenance, repair work & for rethreading where high accuracy & tolerance thread is not critical, taps have straight flutes which are ground to provide rapid chip removal for efficient threading, designed for hand threading work in a variety of materials. Kit includes adjustable Handle Tap Wrench for Taps #0 - 1/4", T-Handle Tap Wrench For Taps #0 - 1/4", 2 In 1 Tap Wrench For Taps 1/4" - 1/2", 18 Leaf Standard Thread Pitch Gauge.

VG **24606**

41 PC. METRIC NIFE

TR-88 adjustable handle tap wrench, TR-73 two-in-one tap wrench, TR-50 2-in-1 tap wrench; 18 leaf standard thread pitch gauge and screwdriver

VG **26317**

CARLYLE TOOLS by NAPA

EXTERNAL THREAD RESTORER FILES

Restore external threads by filing. Overlap several good threads with file and file-damaged ones. Files both right- and left-hand threads. Features long-lasting, fast-cutting teeth.

Item No.	Description	Pitch on Metric
SER **2228**	Metric Thread Restorer File	0.75mm, 1.00mm, 1.25mm, 1.50mm, 1.75mm, 2.00mm, 2.50mm, 3.00mm
SER **2229**	SAE Thread Restorer File	11, 12, 13, 14, 16, 18, 20, 24
SER **2249**	SAE Thread Restorer File	9, 10, 12, 16, 20, 27, 28, 32

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

MASTER AXLE SPINDLE RETHREADING KIT

12-Piece thread restoring die set for proper repair or renewal of damaged threads in stub axles/spindles on most vehicles (refer to automotive manuals for correct size for applications). Rethreading dies are made from high tempered steel for strength and durability and are hex-shaped for use with a socket or wrench (not for use with impact gun.) Dies will remove nicks and burrs in existing threads and are intended for "chasing" - not cutting new threads. Dies are packaged in a plastic case and include the following 12 most popular sizes: 3/4"-16, 3/4"-20, 13/16"-20, 27/32"-20, M16 x 1, M16 x 1.5, M20 x 1, M20 x 1.5, M22 x 1.5, M24 x 1.5, M24 x 2, M27 x 2.

SER **3481**

Contents

Item No.	Description
SER **3481-1**	3/4"-16 Rethreading Die Replacement Part
SER **3481-2**	3/4"-20 Rethreading Die Replacement Part
SER **3481-3**	13/16"-20 Rethreading Die Replacement Part
SER **3481-4**	27/32"-20 Rethreading Die Replacement Part
SER **3481-5**	M16 x 1 Rethreading Die Replacement Part
SER **3481-6**	M16 x 1.5 Rethreading Die Replacement Part
SER **3481-7**	M20 x 1 Rethreading Die Replacement Part
SER **3481-8**	M20 x 1.5 Rethreading Die Replacement Part
SER **3481-9**	M22 x 1.5 Rethreading Die Replacement Part
SER **3481-10**	M24 x 1.5 Rethreading Die Replacement Part
SER **3481-11**	M24 x 2 Rethreading Die Replacement Part
—	M27 x 2 Rethreading Die Replacement Part

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

40 PC. THREAD RESTORATION TOOL KIT

Fractional and metric restorer kit features multiple sizes for any job. Packaged in heavy-duty plastic, blow-molded case for durability.

SER **972**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CARLYLE TOOLS by NAPA

8 PC. HEX DIE RE-THREADING KIT

Includes eight high-carbon steel NF threads, 1/4" - 3/4"

BK **61082**

Contents

Qty.	Description
1	1/4"
1	5/16"
1	3/8"
1	7/16"
1	1/2"
1	9/16"
1	5/8"
1	3/4"

CARLYLE TOOLS by NAPA

8 PC. RE-THREADING SET – NC THREAD

BK **T-1151**

Contents

Qty.	Description
1	1/4" Thread
1	5/16" Thread
1	3/8" Thread
1	7/16" Thread
1	1/2" Thread
1	9/16" Thread
1	5/8" Thread
1	3/4" Thread

GEARWRENCH

5 PC. GEARWRENCH® TAP & DIE DRIVE TOOL SET

Patent Pending.

APX **3880**

Contents

Item No.	Description
APX **3881**	Tap and Die Ratcheting "T" Wrench
APX **3882**	Small Tap Adapter
APX **3883**	Medium Tap Adapter
APX **3884**	Die Adapter
—	Sliding "T" for adapters

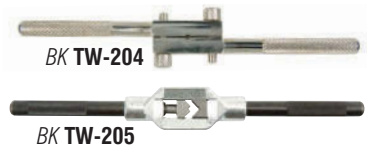
CARLYLE TOOLS by NAPA

HEX DIE WRENCHES

Self-centering, two-handed wrenches securely hold dies for threading raw stock.

Item No.	Description
BK **TS-101**	1" Hex; Plain Stock Wrench
BK **TS-102**	1" Hex; Adjustable Stock Wrench
BK **TS-103**	1 7/16" Hex; Adjustable Stock Wrench
BK **TS-104**	1 7/8" Hex; Plain Stock Wrench

CARLYLE TOOLS by NAPA



ADJUSTABLE-HANDLE TAP & REAMER WRENCHES

Holds drive taps and reamers up to 7/16" square. Solid frame with threaded adjustment securely holds square shank taps when extra leverage is needed. Two-hand operation provides turning control.

Item No.	Description
BK **TW-204**	Range: 0-1/2" Sq.; 8" L.
BK **TW-205**	Range: 0-1/2" Sq.; 8 3/4" L.
BK **TW-206**	Range: 1/4"-3/4" Sq.; 14 5/8" L.
BK **TW-207**	Range: 1/2"-1 1/8" Sq.; 19 1/8" L.

CARLYLE TOOLS by NAPA

TAP WRENCH T-HANDLES

T-handle tap wrenches feature adjustable wrench jaws that are self-equalizing to securely hold taps and provide control while threading.

Item No.	Description
BK **TW-201**	0-1/4" Taps
BK **TW-203**	1/4"-1/2" Taps
BK **TW-202**	#12-5/16" Taps

IRWIN

2 PC. TAP ADAPTER SET

- Allows user to utilize common tools to drive taps
- Product comes with two sizes to allow for use of tap sizes up to 1/2"
- Jaws adjust to secure taps up to 1/2"
- 3/8" square drive compatible with common ratchets

VG **3095001**

CARLYLE TOOLS by NAPA

ROTARY THREAD FILES

Quickly and easily restore male, female, inch, metric, and pipe threads. One tool covers hundreds of restore scenarios.

- Any Thread Pitch 28TPI (0.9mm) or Greater
- Diamond Abrasive on Solid Steel Shank
- Restores Damage and Cleans Corrosion on Soft and Hardened Materials

Item No.	Head	Length	Shank
SER **RX1**	3/8"	2"	1/8"
SER **RX2**	3/4"	2"	1/4"

⚠ **WARNING: This product can expose you to chemicals, including Lead and/or Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Bolt Extractors

IRWIN

5 PC. DEEP WELL BOLT-GRIP SET

- Low profile head allows access to recessed fasteners
- Deep well design allows access to fasteners on longer studs
- Reverse spiral flutes bite into fastener for easy removal
- Contains (1) ea: 3/8", 7/16"-11mm, 1/2", 9/16"-14mm, 5/8"-16mm

VG **3094001**

IRWIN

PROFESSIONAL'S INDUSTRIAL 13 PC. BOLT EXTRACTOR SET

VG **54113**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53901**	—	1/4"	3/8"
VG **53902**	8 mm	5/16"	3/8"
VG **53903**	—	3/8"	3/8"
VG **53904**	10 mm	—	3/8"
VG **53905**	11 mm	7/16"	3/8"
VG **53906**	12 mm	—	3/8"
VG **53907**	—	1/2"	3/8"
VG **53908**	13 mm	—	3/8"
VG **53909**	14 mm	9/16"	3/8"
VG **53910**	16 mm	5/8"	3/8"
VG **53911**	17 mm	—	3/8"
VG **53912**	—	11/16"	3/8"
VG **53913**	19 mm	3/4"	3/8"

IRWIN

7 PC. POWER GRIP SET

1/4" hex shank fits most cordless drills, impact drivers, corded drills and nut runners. Power Groove works with Quick Change Adapter and grips both standard and metric size fasteners. Teeth bite down to provide maximum gripping power.

VG **394100** 3/16", 1/4", 5/16", 3/8", 10 mm, 7/16" and 1/2"

IRWIN

FRACTIONAL 9 PC. BOLT EXTRACTOR SET

VG **54009**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53901**	—	1/4"	3/8"
VG **53902**	8 mm	5/16"	3/8"
VG **53903**	—	3/8"	3/8"
VG **53905**	11 mm	7/16"	3/8"
VG **53907**	—	1/2"	3/8"
VG **53909**	14 mm	9/16"	3/8"
VG **53910**	16 mm	5/8"	3/8"
VG **53912**	—	11/16"	3/8"
VG **53913**	19 mm	3/4"	3/8"

IRWIN

VG **394001**

VG **394002**

BOLT EXTRACTOR SETS

Reverse spiral flutes are designed to bite down to provide maximum gripping power. High-carbon steel.

Item No.	Description
VG **394001**	3/8", 7/16", 1/2", 9/16", 5/8"
VG **394002**	5/16", 10mm, 13mm, 11/16", 3/4"

IRWIN

LUGNUT SPECIALTY 5 PC. BOLT EXTRACTOR SET

VG **54125**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53914**	19 mm	3/4"	1/2"
VG **53915**	21 mm	13/16"	1/2"
VG **53916**	22 mm	7/8"	1/2"
VG **53917**	24 mm	15/16"	1/2"
VG **53918**	—	1"	1/2"

WARNING: Always wear eye and face protection.

IRWIN

METRIC 9 PC. BOLT EXTRACTOR SET

VG **54019**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53902**	8 mm	5/16"	3/8"
VG **53904**	10 mm	—	3/8"
VG **53905**	11 mm	7/16"	3/8"
VG **53906**	12 mm	—	3/8"
VG **53908**	13 mm	—	3/8"
VG **53909**	14 mm	9/16"	3/8"
VG **53910**	16 mm	5/8"	3/8"
VG **53911**	17 mm	—	3/8"
VG **53913**	19 mm	3/4"	3/8"

CARLYLE TOOLS by NAPA

SPIRAL SCREW EXTRACTOR KIT

Removes screws, broken studs, set screws, pipe and Alemite fittings. Drill a hole in the screw and place extractor into hole. Tap lightly with hammer and turn counterclockwise with tap wrench to remove the screw. Spiral blades grip screw. Extractors fit the following (see chart).

Item No.	Screw, Bolt or Stud Size	Drill Size
SER **2419**	Spiral Screw Extractor Kit, Contains one of each: *SER* **2419-71**, *SER* **2419-72**, *SER* **2419-73** and *SER* **2419-74**	
—	1/8" to 1/4"	7/16"
SER **2419-71**	No. 12 to 5/16"	9/64"
SER **2419-72**	5/16" to 7/16"	5/32"
SER **2419-73**	7/16" to 9/16"	1/4"
SER **2419-74**	9/16" to 3/4"	19/64"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

SCREW EXTRACTOR KIT

Removes broken studs, set screws, pipe and Alemite fittings. Drill a hole in the screw and place extractor into hole. Tap lightly with hammer and turn counterclockwise with tap wrench to remove the screw. Features undercut flutes for more positive grip.

Item No.	Screw Size	Drill Size	Min. Depth, Hole	Pipe Size
SER **720**	Screw Extractor Kit, Contains one of each: *SER* **1109**, *SER* **1110**, *SER* **1111**, *SER* **1112** and *SER* **1113**			
SER **1109**	1/4", 5/16"	1/8"	3/8"	—
SER **1110**	3/8"	3/16"	1/2"	—
SER **1111**	7/16"	15/64"	1/2"	1/8"
SER **1112**	1/2", 9/16"	5/16"	1/2"	1/4"
SER **1113**	5/8"	3/8"	5/8"	3/8"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IRWIN

10 PC. SPIRAL FLUTE SCREW EXTRACTORS SET

With Left Hand Cobalt Drill Bits - Metal Index

Left-Hand cobalt drill bits are the desired method for drilling into frozen, stripped, or broken fasteners. Set includes left-hand cobalt drill bits 5/64", 7/64", 5/32", 1/4", 19/64" and contents listed below.

VG **11119**

Contents

Item No.	Description
VG **52401**	EX-1 Spiral Flute Extractor
VG **52402**	EX-2 Spiral Flute Extractor
VG **52403**	EX-3 Spiral Flute Extractor
VG **52404**	EX-4 Spiral Flute Extractor
VG **52405**	EX-5 Spiral Flute Extractor

IRWIN

35 PC. SCREW EXTRACTOR/DRILL SET

- Left-Hand cobalt drill bits are the desired method for drilling into frozen, stripped, or broken fasteners
- Set includes all sizes of multi-spline extractors, 16 left-hand cobalt drill bits, and 6 spiral screw extractors
- Set includes left-hand cobalt drill bits 5/64", 7/64", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 19/64", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2" and contents listed below

VG **11135ZR**

Contents

Item No.	Description
VG **53201**	1/8" Multi-Spline Extractor
VG **53202**	5/32" Multi-Spline Extractor
VG **53203**	3/16" Multi-Spline Extractor
VG **53204**	7/32" Multi-Spline Extractor
VG **53205**	1/4" Multi-Spline Extractor
VG **53206**	9/32" Multi-Spline Extractor
VG **53207**	5/16" Multi-Spline Extractor
VG **53208**	11/32" Multi-Spline Extractor
VG **53209**	3/8" Multi-Spline Extractor
VG **53210**	13/32" Multi-Spline Extractor
VG **53211**	7/16" Multi-Spline Extractor
VG **53212**	15/32" Multi-Spline Extractor
VG **53213**	1/2" Multi-Spline Extractor
VG **52401**	EX-1 Spiral Flute Extractor
VG **52402**	EX-2 Spiral Flute Extractor
VG **52403**	EX-3 Spiral Flute Extractor
VG **52404**	EX-4 Spiral Flute Extractor
VG **52405**	EX-5 Spiral Flute Extractor
VG **52406**	EX-6 Spiral Flute Extractor

WARNING: Always wear eye and face protection.

Screw Extractors

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES SCREW GRIP DOUBLE ENDED SCREW EXTRACTORS

- DoubleLokTechnology™ ensures both ends of bit lock securely in impact drivers and quick-change chucks, enabling use of a single bit to remove stripped, damaged, or rusted screws and small bolts in three easy steps: drill, flip bit, and extract
- Manufactured with M2 high speed steel and extra-hardened for maximum durability and long life with impact drivers
- Tip of drill end is designed to start fast with minimal walking, and tip of extractor end is serrated for increased torque to remove even the toughest bolts and screws
- Black oxide finish resists corrosion and increases life of extractor

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 3 PC. SCREW GRIP DOUBLE ENDED SCREW EXTRACTOR SET

Includes one each DE#1 (for screw sizes 4,5,6,7 and bolt sizes 1-12, 5mm), DE#2 (for screw sizes 8,9,1 and bolt sizes 1/4",6mm) DE#3 (for screw sizes 11,12,14 and bolt sizes 5/16", 8mm)

VG **1876224**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 6 PC. SCREW GRIP DOUBLE ENDED SCREW EXTRACTOR SET

Includes one each #2PH, #2SQ, T25 2" power bits, DE#1 (for screw sizes 4,5,6,7 and bolt sizes 1-12, 5mm), DE#2 (for screw sizes 8,9,1 and bolt sizes 1/4",6mm) DE#3 (for screw sizes 11,12,14 and bolt sizes 5/16", 8mm)

VG **1876225**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES SCREW GRIP DOUBLE ENDED SCREW EXTRACTOR

- Designed for screw sizes 4,5,6,7 and bolt sizes 1-12, 5mm

Item No.	Size
VG **1876221**	DE-1
VG **1876222**	DE-2
VG **1876223**	DE-3

CARLYLE TOOLS by NAPA

10 PC. SCREW EXTRACTOR & DRILL SET

- Combines five popular size screw extractors with the corresponding drill bit sizes in one convenient set
- Removes broken screw, bolts and studs
- Includes:
- Numbers 1 - 5 spiral flute screw extractors
- 9/64", 7/64", 5/32", 1/4" and 19/64" high speed steel drill bits

SER **61080P**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

5 PC. SCREW EXTRACTOR SET

Constructed from heavy duty chrome molybdenum steel this kit removes damaged screws, broken studs, set screws and pipe fittings. Includes storage case. Screw Sizes Applicable: 5/32 to 1/4 in., 1/4 to 5/16 in., 5/16 to 7/16 in., 7/16 to 9/16 in., 9/16 to 3/4 in. Drill Hole Size: 3/32, 9/64, 5/32, 1/4, 19/64 in.

BK **776-0002**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

5 PC. SPIRAL SCREW EXTRACTOR

This five-piece screw extractor set includes five different sizes of extractors, which means you'll have plenty of options to find the absolute perfect fit the next time you're in need. The screw-out set works with both SAE and metric units, for added versatility.

- 1/8"-1/4", 1/4"-5/16", 5/16"-7/16", 5/16"-9/16", 9/16"-3/4"

CTM **CMMT14108**

WARNING: Always wear eye and face protection.

EVERCRAFT

5 PC. 3/8 IN. DR. BOLT EXTRACTOR SET

Constructed from heavy duty chrome molybdenum steel for strength and durability with patented gripping edges to remove old, stripped, rusted or painted nuts and bolts. Screw Sizes Applicable: 5/16, 3/8, 1/2, 11/16, & 3/4 in.

BK **776-0003**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

10 PC. LAST CHANCE EXTRACTOR INSERTS - METRIC

Carlyle Tools 8mm – 17mm set of last chance extractor inserts for wrenches turns either a standard socket or wrench into one. The whole range only requires two wrenches, 14mm and 19mm. It's not necessary to have a separate wrench for each nut size.

- Suitable for installing new nuts
- Can turn severely damaged nuts
- Sits firmly in a wrench, without sliding through
- Grips all the way around a nut and allows even 85% rounded off nut to be turned
- Securely grips many different types of fasteners: 6 point, 12 point, hex, spline, etc.

SER **1010594**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

7 PC. LAST CHANCE EXTRACTOR INSERTS - SAE

Carlyle Tools 5/16 – 11/16 inch set of last chance extractor inserts for wrenches turns either a standard socket or wrench into one. The whole range only requires two wrenches, 14mm and 19mm. It's not necessary to have a separate wrench for each nut size.

- Suitable for installing new nuts
- Can turn severely damaged nuts
- Sits firmly in a wrench, without sliding through
- Grips all the way around a nut and allows even 85% rounded off nut to be turned
- Securely grips many different types of fasteners: 6 point, 12 point, hex, spline, etc.

SER **1010595**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES BOLT GRIPS®

- Engineered with reverse spiral flutes and extended reach to fit over exposed studs and easily grip and remove recessed fasteners including broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 19 PC. 3/8 IN. SQUARE DR. BOLT GRIP® DRAWER SET WITH 1/4 IN. HEX ADAPTERS

Includes IRWIN® Drawer Case, a molded ABS resin case that holds up to the rigors of daily use and features a compact, flat design for convenient storage in drawers and tool cabinets.

Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 12mm, 1/2", 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", and one each 1/2" square drive Bolt Grips® for use with 3/4" / 19mm, 13/16" / 21mm, 7/8" / 22mm, 15/16" / 24mm, 1" bolts plus one each 1/4" hex to 3/8" square and 1/4" hex to 1/2" square 2" length adapters.

VG **1859152**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 8 PC. 3/8 IN. SQUARE DR. BOLT GRIP® PRO SET WITH 1/4 IN. HEX ADAPTER

The IRWIN® Pro Set Case is a molded ABS resin case that holds up to the rigors of daily use and features a two-step easy in / out bit storage system that holds bits securely in place until ready for use. Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 1/2", 9/16" / 14mm bolts and a 1/4" hex to 3/8" square 2" length adapter.

VG **1859148**

WARNING: Always wear eye and face protection.

Bolt Extractors

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 6 PC. 3/8 IN. SQUARE DR. BOLT GRIP® SET WITH 1/4 IN. HEX ADAPTER

- Reverse spiral flutes engineered to provide maximum gripping power to easily remove broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor

Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 7/16" / 11mm, 1/2" bolts and 1/4" hex to 3/8" square 2" length adapter.

VG **1859143**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 6 PC. 3/8 IN. SQUARE DR. BOLT GRIP® RAIL EXPANSION SET

- Engineered with reverse spiral flutes and extended reach to fit over exposed studs and easily grip and remove recessed fasteners including broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor

Includes one each 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", 3/4" / 19mm, 3/8" Drive.

VG **1881175**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 6 PC. 1/2 IN. SQUARE DR. BOLT GRIP® SET WITH 1/4 IN. HEX ADAPTER

- Engineered with reverse spiral flutes and extended reach to fit over exposed studs and easily grip and remove recessed fasteners including broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor
- Includes one each 3/4" / 19mm 1/2" Drive, 13/16" / 21mm, 7/8" / 22mm, 15/16" / 24mm, 1", 3/4", 13/16", 7/8"

VG **1859146**

IRWIN

5 PC. DEEP WELL BOLT-GRIP SET

- Low profile head allows access to recessed fasteners
- Deep well design allows access to fasteners on longer studs
- Reverse spiral flutes bite into fastener for easy removal
- Contains (1) ea: 3/8", 7/16"-11mm, 1/2", 9/16"-14mm, 5/8"-16mm

VG **3094001**

GEARWRENCH

7 PC. 1/4 IN. AND 3/8 IN. DRIVE SAE BOLT BITER™ EXTRACTION SOCKET SET

Bolt Biter™ is the revolutionary new extraction socket system from GEARWRENCH®. We talked with auto mechanics and industrial techs to learn what they hated about existing extraction sockets. Bolt Biter redefines extraction and solves all of their frustrations.

- Includes 5 SAE or Metric BOLT BITER Extraction Sockets and 2 Impact Adapters
- Bi-directional design for removing or tightening damaged fasteners
- Tapered entry enables socket to easily seat on a damaged fastener
- Square drive with hex base for use with impact gun, ratchet, wrench, or pliers
- Chrome molybdenum alloy steel (Cr-Mo) for exceptional strength and long lasting durability
- High-visibility laser etched markings provide quick size identification
- Black oxide finish to resist corrosion
- Up to 10x longer impact life vs. other impact extraction sockets
- Up to 5x greater torque output vs. other impact extraction sockets

APX **83911**

APX **83911** SAE
APX **87911** Metric

GEARWRENCH

10 PC. 1/2 IN. DRIVE BOLT BITER™ DEEP EXTRACTION SOCKET SET

- Bi-directional design for removing or tightening damaged fasteners
- Tapered entry enables socket to easily seat on a damaged fastener
- Dual sized sockets designed to work with both SAE and metric fasteners
- Square drive with hex base for use with impact gun, ratchet, wrench, or pliers
- Chrome molybdenum alloy steel (Cr-Mo) for exceptional strength and long lasting durability
- High-visibility laser etched markings provide quick size identification
- Black oxide finish to resist corrosion
- Up to 10x longer impact life vs. other impact extraction sockets
- Up to 5x greater torque output vs. other impact extraction sockets
- Minus-size sockets fit a wider range of damaged fasteners

APX **86071**

GEARWRENCH

5 PC. 1/2 IN. DRIVE BOLT BITER™ DEEP EXTRACTION SOCKET SET

- Bi-directional design for removing or tightening damaged fasteners
- Tapered entry enables socket to easily seat on a damaged fastener
- Dual sized sockets designed to work with both SAE and metric fasteners
- Square drive with hex base for use with impact gun, ratchet, wrench, or pliers
- Chrome molybdenum alloy steel (Cr-Mo) for exceptional strength and long lasting durability
- High-visibility laser etched markings provide quick size identification
- Black oxide finish to resist corrosion
- Up to 10x longer impact life vs. other impact extraction sockets
- Up to 5x greater torque output vs. other impact extraction sockets

APX **86070**

WARNING: Always wear eye and face protection.

GEARWRENCH

1/4 IN. & 3/8 IN. DRIVE BOLT BITER EXTRACTION SOCKET SET

- Bi-Directional design for removing or tightening damaged fasteners
- Tapered entry enables socket to easily seat on a damaged fastener
- Dual sized sockets designed to work with both SAE and Metric fasteners

APX **84782**

Item No.	Description
APX **84782**	8 Pc.
APX **84783**	15 Pc.
APX **84784**	28 Pc.

PUNCHES & CHISELS

- Cold chisels cover straight cutting operations
- Center punches are used to mark center of hole for drilling
- Pin punches are used to drive pin from holes
- Long taper punches are used for aligning holes
- Starter punches start removal of tight pins, keys and rivets

27 PC. PUNCH & CHISEL MASTER SET

BK **327**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **923**	1	Chisel, Cold (1/4" x 4 3/4" x 1/4")
BK **924**	1	Chisel, Cold (3/8" x 5 1/4" x 5/16")
BK **925**	1	Chisel, Cold (7/16" x 5 1/2" x 3/8")
BK **925A**	1	Chisel, Cold (1/2" x 6" x 3/8")
BK **926**	1	Chisel, Cold (5/8" x 6 1/2" x 1/2")
BK **927**	1	Chisel, Cold (3/4" x 7" x 5/8")
BK **928**	1	Chisel, Cold (7/8" x 7 1/2" x 3/4")
BK **929**	1	Chisel, Cold (1" x 8" x 7/8")
BK **948**	1	Punch, Center (1/4" x 4 1/4")
BK **949**	1	Punch, Center (3/8" x 5")
BK **950**	1	Punch, Center (7/16" x 5 1/2")
BK **954**	1	Punch, Pin (3/32" x 4 3/4" x /")
BK **955**	1	Punch, Pin (1/8" x 5" x 5/16")
BK **956**	1	Punch, Pin (5/32" x 5 1/4" x 5/16")
BK **957**	1	Punch, Pin (3/16" x 5 1/2" x 5/16")
BK **958**	1	Punch, Pin (1/4" x 7" x 3/8")
BK **959**	1	Punch, Pin (5/16" x 7" x 1/2")
BK **962**	1	Punch, Long Taper (1/8" x 8" x 3/8")
BK **963**	1	Punch, Long Taper (5/32" x 8 1/2" x 1/2")
BK **964**	1	Punch, Long Taper (3/16" x 9" x 1/2")
BK **968**	1	Punch, Long Taper (1/4" x 11" x 5/8")
BK **970**	1	Punch, Starter (5/32" x 5" x 3/8")
BK **971**	1	Punch, Starter (3/16" x 5" x 3/8")
BK **972**	1	Punch, Starter (1/4" x 6" x 1/2")
BK **975**	1	Punch, Starter (1/8" x 4 1/2" x 5/16")
BK **977**	1	Punch, Starter (5/16" x 7" x 5/8")
BK **978**	1	Punch, Starter (3/8" x 8" x 3/4")
—	1	Vinyl Tool Roll

⚠ **WARNING:** (*BK* **327**) **This product can expose you to chemicals including Formaldehyde, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

16 PC. PUNCH & CHISEL SET

BK **316**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **924**	1	(3/8" x 5 1/4" x 5/16") Chisel, Cold
BK **925A**	1	(1/2" x 6" x 3/8") Chisel, Cold
BK **926**	1	(5/8" x 6 1/2" x 1/2") Chisel, Cold
BK **949**	1	(3/8" x 5") Punch, Center
BK **950**	1	(7/16" x 5 1/2") Punch, Center
BK **954**	1	(3/32" x 4 3/4" x 5/16") Punch, Pin
BK **955**	1	(1/8" x 5" x 5/16") Punch, Pin
BK **956**	1	(5/32" x 5 1/4" x 5/16") Punch, Pin
BK **957**	1	(3/16" x 5 1/2" x 5/16") Punch, Pin
BK **958**	1	(1/4" x 7" x 3/8") Punch, Pin
BK **970**	1	(5/32" x 5" x 3/8") Punch, Starter
BK **971**	1	(3/16" x 5" x 3/8") Punch, Starter
BK **972**	1	(1/4" x 6" x 1/2") Punch, Starter
BK **975**	1	(1/8" x 4 1/2" x 5/16") Punch, Starter
BK **977**	1	(5/16" x 7" x 5/8") Punch, Starter
—	1	Chisel Punch Gauge
—	1	Vinyl Tool Pouch

14 PC. PUNCH & CHISEL SET

BK **314**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **925A**	1	Chisel, Cold (1/2" x 6" x 3/8")
BK **926**	1	Chisel, Cold (5/8" x 6 1/2" x 1/2")
BK **927**	1	Chisel, Cold (3/4" x 7" x 5/8")
BK **928**	1	Chisel, Cold (7/8" x 7 1/2" x 3/4")
BK **949**	1	Punch, Center (3/8" x 5")
BK **962**	1	Punch, Long-Taper (1/8" x 8" x 3/8")
BK **963**	1	Punch, Long-Taper (5/32" x 8 1/2" x 1/2")
BK **964**	1	Punch, Long-Taper (3/16" x 9" x 1/2")
BK **968**	1	Punch, Long-Taper (1/4" x 11" x 5/8")
BK **965**	1	Punch, Long-Taper (5/16" x 11" x 5/8")
BK **954**	1	Punch, Pin (3/32" x 4 3/4" x 5/16")
BK **955**	1	Punch, Pin (1/8" x 5" x 5/16")
BK **957**	1	Punch, Pin (3/16" x 5 1/2" x 5/16")
BK **958**	1	Punch, Pin (1/4" x 7" x 3/8")
—	1	Tool Roll, Canvas

WARNING: Always wear eye and face protection.

Punches & Chisels

7 PC. PUNCH & CHISEL SET

BK **307**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **925A**	1	Chisel, Cold (1/2" x 6" x 3/8")
BK **926**	1	Chisel, Cold (5/8" x 6 1/2" x 1/2")
BK **927**	1	Chisel, Cold (3/4" x 7" x 5/8")
BK **949**	1	Punch, Center (3/8" x 5")
BK **962**	1	Punch, Long-Taper (1/8" x 8" x 3/8")
BK **957**	1	Punch, Pin (3/16" x 5 1/2" x 5/16")
—	1	Tool Roll, Canvas

4 PC. COLD CHISEL SET

For straight-cutting operations.

BK **304C**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **925**	1	(7/16" x 5 1/2" x 3/8")
BK **926**	1	(5/8" x 6 1/2" x 1/2")
BK **927**	1	(3/4" x 7" x 5/8")
BK **928**	1	(7/8" x 7 1/2" x 3/4")
—	1	Pouch, Vinyl

CAUTION: Always wear safety goggles during straight-cutting operations.

BK **925A**

COLD CHISELS

Beveled edges for general-purpose cutting and chipping.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **923**	1	(1/4" x 4 3/4" x 1/4"), 1 oz.
BK **924**	1	(3/8" x 5 1/4" x 5/16"), 2 oz.
BK **925**	1	(7/16" x 5 1/2" x 3/8"), 2 oz.
BK **925A**	1	(1/2" x 6" x 3/8"), 3 oz.
BK **926**	1	(5/8" x 6 1/2" x 1/2"), 6 oz.
BK **927**	1	(3/4" x 7" x 5/8"), 10 oz.
BK **928**	1	(7/8" x 7 1/2" x 3/4"), 1 lb., 4 oz.
BK **929**	1	(1" x 8" x 7/8"), 1 lb., 6 oz.

BK **930**

LONG COLD CHISELS

Tapered points for general cutting and extra-long shanks.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **930**	1	(3/4" x 12" x 5/8"), 1 lb., 10 oz.
BK **931**	1	(7/8" x 12" x 3/4"), 1 lb., 15 oz.

DIAMOND-POINT CHISEL

For cutting v-grooves or cleaning corners. Dimensions: 3/16" x 5" x 3/8" Hex. Weight: 6 oz.

BK **945**

CAPE CHISEL

Tapered point for cutting narrow grooves. Dimensions: 1/4" x 5 1/2" x 3/8" Hex. Weight: 6 oz.

BK **940**

BRASS PUNCHES & SET

Brass punches are used for non-marring applications. Designed to inhibit sparking. Made of consumable brass, designed not to mar steel. Made in the USA.

Item No.	Description	*CHT* **62277** 4 Pc. Set.
CHT **25077**	3/8" Drift Punch	•
CHT **25090**	1/4" Pin Punch	•
CHT **25091**	3/8" Pin Punch	•
CHT **25080**	1/4" Solid Punch	•

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3 PC. BRASS DRIFT PUNCH SET

Knurled bodies provide a better grip. Can be used on harder materials without damaging, marring or sparking.

BK **310**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **900**	1	3/8" x 6"
BK **902**	1	1/2" x 7"
BK **903**	1	3/4" x 7 7/8"
—	1	Pouch, Vinyl

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3 PC. BRASS PIN PUNCH SET

Knurled bodies provide a better grip.
Can be used on harder materials wit out damaging, marring or sparking.

BK **309**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **905**	1	(1/4" x 4" x 1/2")
BK **906**	1	(3/8" x 6" x 1/2")
BK **904**	1	Taper, (1/4" x 6" x 1/2")
—	1	Pouch, Vinyl

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: Always wear eye and face protection.

5 PC. PIN PUNCH SET

For driving pins from holes.

BK **305**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **955**	1	(1/8" x 5" x 5/16")
BK **956**	1	(5/32" x 5 1/4" x 5/16")
BK **957**	1	(3/16" x 5 1/2" x 5/16")
BK **958**	1	(1/4" x 7" x 3/8")
BK **959**	1	(5/16" x 7" x 1/2")
—	1	Pouch, Vinyl

⚠ **WARNING: (*BK* 305) This product can expose you to chemicals including Diisononyl Phthalate (DINP), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.**

BK **900**

BK **904**

BRASS DRIFT/PIN PUNCHES OPEN STOCK

Item No.	Description
BK **900**	Punch, Drift 3/8" x 6"
BK **902**	Punch, Drift 1/2" x 7"
BK **903**	Punch, Drift 3/4" x 7 7/8"
BK **905**	Punch, Pin 1/4" x 4" x 1/2"
BK **906**	Punch, Pin 3/8" x 6" x 1/2"
BK **904**	Punch, Pin Tapered 1/4" x 6" x 1/2"

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BK **954**

PIN PUNCHES

For driving pins from holes.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **954**	1	(3/32" x 4 3/4" x 5/16"), 2 oz.
BK **955**	1	(1/8" x 5" x 5/16"), 2 oz.
BK **956**	1	(5/32" x 5 1/4" x 5/16)", 2 oz.
BK **957**	1	(3/16" x 5 1/2" x 5/16)", 6 oz.
BK **958**	1	(1/4" x 7" x 3/8"), 6 oz.
BK **959**	1	(5/16" x 7" x 1/2"), 12 oz.

4 PC. LONG-TAPER PUNCH SET

An assortment of the most popular sizes for aligning holes.

BK **304**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **963**	1	Punch, Long-Taper (5/32" x 8 1/2" x 1/2")
BK **964**	1	Punch, Long-Taper (3/16" x 9" x 1/2")
BK **968**	1	Punch, Long-Taper (1/4" x 11" x 5/8")
BK **965**	1	Punch, Long-Taper (5/16" x 11" x 5/8")
—	1	Pouch, Vinyl

BK **962**

LONG-TAPER PUNCHES

For aligning holes.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **962**	1	(1/8" x 8" x 3/8"), 1 oz.
BK **963**	1	(5/32" x 8 1/2" x 1/2"), 2 oz.
BK **964**	1	(3/16" x 9" x 1/2"), 6 oz.
BK **968**	1	(1/4" x 11" x 5/8"), 8 oz.
BK **965**	1	(5/16" x 11" x 5/8"), 10 oz.

BK **971**

STARTER PUNCHES

For starting the removal of tight pins, keys or rivets.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **975**	1	(1/8" x 4 1/2" x 5/16")
BK **970**	1	(5/32" x 5" x 3/8")
BK **971**	1	(3/16" x 5" x 3/8")
BK **972**	1	(1/4" x 6" x 1/2")
BK **977**	1	(5/16" x 7" x 5/8")
BK **978**	1	(3/8" x 8" x 3/4")

BK **949**

CENTER PUNCHES

For marking the center of a hole prior to drilling.

Item No.	Description
BK **948**	1/4" Tip x 4 1/4" L., 1.5 oz.
BK **949**	3/8" Tip x 5" L. , 2 oz.
BK **950**	7/16" Tip x 5 1/2" L., 6 oz.

ALIGNMENT PUNCH

Thin, tapered point aligns holes. Sharp point scribes center for layout work. Punch measures 3/8" Hex x 5" L. Weight: 2 oz.

BK **952**

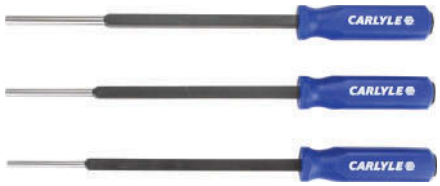
PINCH BAR

Use for prying, alignment work and many other purposes. One end has a long, sharp pointed taper and the other end a sharp, curved leverage blade. Nickel-chrome-plated bar measures 3/4" cut x 16" length x 5/8".

BK **936**

WARNING: Always wear eye and face protection.

Punches



3 PC. LONG STRIKING PUNCH PIN SET

Extended reach pin punches manufactured from high quality Chrome Steel with square shank.

- Accurately hardened and tempered so that the pin will withstand continuous use
- Working ends are accurately ground with rust resistant black finish
- Composite material handle made of LDPE & EVA for safety, comfort and reduced fatigue
- Punch body extends through the handle and connects with the end cap to provide a solid striking surface
- Metal striking cap allows hammering without any damage to the handle
- 1/4", 5/16" and 3/8" tip sizes

CHT **LRPPS3**

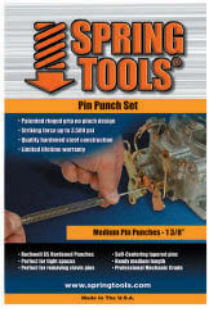
⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

31 PC. HAMMERLESS TRANSFER PUNCH SET

Expanded transfer punch set includes 31 individual punches. Furnished in a heavy-duty nylon roll pouch. Punches are made from hardened and tempered steel. Each punch is 4 7/8" long. Punch sizes: 7/8", 17/32", 3/32", 5/16", 7/64", 21/64", 1/8", 11/32", 9/64", 23/64", 5/32", 3/8", 11/64", 25/64", 3/16", 13/32", 13/64", 27/64", 7/32", 7/16", 15/64", 29/64", 1/4", 15/32", 17/64", 31/64", 9/32", 1/2", 19/64", 3/4", 1".

BK **990**

BK **984**



HAMMERLESS MEDIUM REACH PIN PUNCHES & SET

Designed to remove drift pins, roll pins, clevis pins, spring pins, dowel pins and more.

Item No.	Description	*BK* 988 4 Pc. Set
BK **984**	1/16" with 13/8" tip	•
BK **985**	3/32" with 13/8" tip	•
BK **986**	1/8" with 13/8" tip	•
BK **987**	5/32" with 13/8" tip	•

BK **980**

BK **981**

BK **982**

BK **983**

HAMMERLESS AUTOMOTIVE & METAL WORKING PUNCHES & SET

These professional grade tools are ideal for removing rivets and rusty screws. Perfect for working in tight spaces.

Item No.	Description	*BK* 989 4 Pc. Set
BK **980**	Combination Center Punch & 5/16" Cold Chisel	•
BK **981**	Combination Center Punch	•
BK **982**	High-Speed Steel Center Punch	•
BK **983**	Self-Centering Transfer Punch	•

39 PC. HAMMERLESS 1/4 IN. INDUSTRIAL STAMP KIT

Professional grade 39 piece mechanics I.D. stamping set. Permanently brand any mild steel or other hard surfaces with this I.D. stamper set. Ideal for mechanics to label components during teardowns. Excellent for anti-theft identification and to permanently stamp tools and other property. Interchangeable bits are marked with their associated character for easy alignment. Comes with a heavy-duty case with foam lining for easy organization. Stamp Type: Characters A-Z, 0-9, Period, and Symbol, and Asterisk Symbol.

BK **992**

3/16 IN. STEEL STAMP DIE SETS

Carlyle Tools steel stamps are manufactured from select quality carbon steel. They're induction hardened which gives durability and extended lift for repeated use.

- Hardness at the stamping end is maintained at 58-62 HRC
- Hardness at the striking end is tempered to 35-42 HRC
- The striking end is chamfered to prevent breakage and accidents due to flying splinters
- Carrying case

CHT **NSS06** Numbers set
CHT **LSS06** Letters set

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

HEAVY-DUTY AUTOMATIC CENTER PUNCH

Carlyle's automatic center punch is a great addition to any tool box.

- Fully automatic single hand operated spring-loaded punch
- No hammering, built-in mechanism delivers a punch just with the pressing of the head
- Round shank with clean and well cut knurling for positive non-slip grip
- Tips are made from hardened steel and can be easily removed for re-sharpening or replacement
- 7/32 in. Punch tip size
- 5.75 in. Overall length

CHT **HDACP5**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

6 PC. PRECISION FILE SET

Ideal for the most intricate filing applications, such as deburring, sharpening, finishing and enlarging holes. Clean files with included brush for longer life.

CHT **61083**

Contents

Qty.	Description
1	Cleaning Brush
1	Flat File
1	Mill Bastard File
1	Round Bastard File
1	Slim Taper File
1	Square File
1	Vinyl Storage Pouch

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

4 PC. FILE SET

Plastic handles provide improved leverage and reduce hand fatigue.

CHT **979XH**

Contents

Qty.	Description
1	Brush, Wooden-Handle
1	Mill Bastard File, 8"
1	Round Bastard File, 8"
1	Slim Taper File, 7"
1	Storage Pouch

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

3 PC. RETHREADER FILE SET

File set restores damaged external threads, any diameter, right or left handed. Select the proper number of threads per inch or millimeter per thread and overlapping several good threads, work over the area using regular file strokes.

- Packed in a reusable pouch
- SAE rethread files (threads per inch): 9, 10,11, 12, 13, 14, 16, 18, 20, 24, 27, 28 and 32
- Metric rethread files (millimeters per thread): 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00

SER **2573**

⚠ **WARNING: This product can expose you to chemicals including lead which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

SLIM TAPER FILE

Ideal for use on small parts, including handsaws with six or seven points per inch. Length: 7".

CHT **XHT-7**

HALF-ROUND FILE

Steel file is ideal for rounding out holes and general shop work, on flat or concave surfaces. Plastic handle features sure-grip for control. Length: 8".

CHT **XHH-8**

HALF-FILE/HALF-RASP

For all-purpose home and shop use. Length: 8".

BK **XHB-8**

MILL-BASTARD FILE

Steel file with plastic handle is deal for sharpening saws, knives, garden tools and scissors. Can also be used for draw filing, lathe work and general shop use. Length: 8".

CHT **XHM-8**

GENERAL-PURPOSE ROUND FILE

Perfect for enlarging holes, sharpening circular saw gullets, rounding grooves and general shop use. Plastic handle features sure-grip for control. Length: 8".

CHT **XHR-8**

WARNING: Always wear eye and face protection.

Files

BK **XM-8**

GENERAL-PURPOSE MILL BASTARD FILES

Medium-cut, double-sided files are ideal for multiple applications.

Item No.	Description
CHT **XM-6**	6" Length
CHT **XM-8**	8" Length
CHT **XM-10**	10" Length
CHT **XM-12**	12" Length
CHT **XM-14**	14" Length

GENERAL-PURPOSE ROUND BASTARD FILES

Tapered, round medium-cut files are ideal for enlarging circular openings and filing curved surfaces.

Item No.	Description
CHT **XR-6**	6" Length
CHT **XR-8**	8" Length
CHT **XR-10**	10" Length
CHT **XR-12**	12" Length

GENERAL-PURPOSE FLAT BASTARD FILE

Medium-cut, double-sided file is ideal for multiple applications. Length: 10".

CHT **XF-10**

GENERAL-PURPOSE HALF-ROUND BASTARD FILE

Medium-cut, double-sided file is ideal for multiple applications. Length 10".

CHT **XH-10**

EXTRA-SLIM TAPER FILE

Ideal for use on small parts. Length: 6".

CHT **XE-6**

BK **XS-12**

ROUND CHAIN SAW FILES

For sharpening chain saw blades. Round, 7/32".

CHT **XS-12** 8" Length
CHT **XS-14** 8 1/4" Length

GEARWRENCH

4 PC. 8 IN. BASTARD FILE SET

- Ergonomic, dual material comfort grip handle
- Laser etched part number on the file for quick identification
- Tool grade steel provides outstanding cutting ability
- Great for deburring, rounding and removing tough edges
- Includes 8 in. flat, round, half round and triangle file
- 7 in. Working blade length
- Includes tray for storage and organization

APX **82820H**

WOODEN REPLACEMENT FILE HANDLE

Comfortable fit for multiple files. Weight: 7 oz. Length: 3".

CHT **X-286**

GEARWRENCH

6 PC. 4 IN. MINI FILE SET

- Ergonomic, dual material comfort grip handle
- Laser etched part number on the file for quick identification
- Intended for intricate filing and smoothing
- Set includes flat, half-round, round, knife, square and triangle files
- Includes pouch for storage and organization
- 73/8" Overall length
- 3 In. Working blade length

APX **82821H**

WARNING: Always wear eye and face protection.

GEARWRENCH

APX **84040H**

APX **84001H**

APX **84002H**

APX **84003H**

APX **84020H**

APX **84004H**

APX **84005H**

APX **84006H**

APX **84007H**

APX **84010H**

PULLERS, PICKS, HOOKS & SETS

- Blades are securely fixed in the handle so they do not twist during use
- Ergonomic tri-lobe dual material handle providesthe optimal balance of strength and efficiency
- Oil and solvent resistant handle provides a longertool life
- Full polish alloy steel blade prevents rush and corrosion
- Blades laser etched with part number for quick identification
- Meets or exceeds ASME standards for performance and quality

Item No.	Description	Use	Length
APX **84001H**	5 In. Cotter Pin Puller	Use for seal pick and other general cleaning projects, including cotter pins.	9.5"
APX **84002H**	4 In. Hose Puller Pick	Use for removing springs, clamps or other prying.	8"
APX **84003H**	4-1/2 In. Awl	Use as scratch awl or hole punch.	9.5"
APX **84004H**	3-1/8 In. Mini Full Hook	Use for hooking springs and other objects. Small size for tight access areas	6.5"
APX **84005H**	3-1/8 In. 90° Mini Hook	Use for seal pick removal. Small size for tight access areas	6.5"
APX **84006H**	3-1/8 In. Straight Mini Hook	Use for hole punch or a mini scratch awl. Small size for tight access areas	6.5"
APX **84007H**	3-1/8 In. Mini Offset Hook	Use for seals and delicate cleaning applications. Small size for tight access areas	6.5"
APX **84010H**	8 Pc. Long Hook & Pick Set	Variety of shapes. Includes tray for storage and organization	9"
APX **84020H**	4 Pc. Heavy-Duty Long Hook & Pick Set	Variety of shapes. Includes tray for storage and organization	14"
APX **84040H**	4 Pc. Mini Hook & Pick Set	Variety of shapes to leverage or pull parts, springs and cotter pins Contents: Mini full hook, 90° mini hook, mini straight hook and mini offset hook	—

CARLYLE TOOLS by NAPA

CARLYLE TOOLS CENTER CUT BOLT CUTTERS

Carlyle Tools heavy-duty center cut bolt cutters are engineered for more cuts and longer life.

- Durable service
- Single arm adjustment
- Forged, heat-treated blades stay sharp

Item No.	Size
CHT **BC14**	14"
CHT **BC18**	18"
CHT **BC24**	24"
CHT **BC36**	36"

CARLYLE TOOLS by NAPA

8 IN. MINI BOLT CUTTERS

Heavy-duty, chrome vanadium, high leverage mini bolt cutters multiplies cutting force while reducing hand force and effort. The perfect tool for those cutting jobs that are just too much for traditional diagonal side cut pliers.

- Comfort grip handles
- Induction hardened cutting edges
- Cutting pressure is 60% less than traditional diagonal cutters
- Cuts materials like bolts, nails, rivets, wire up to 5mm

CHT **MBC8**

EVERCRAFT™

BK **774-3220**

COMFORT-GRIP BOLT CUTTERS

Drop-forged steel construction with center-cut, chrome-vanadium steel blades. Cut through steel with a hardness quotient of up to HRC40. Exceed Federal Specification No.: GGG-C-740D Type I, Class 3 and 4.

Item No.	Description
BK **774-3220**	14" Length
BK **774-3221**	18" Length
BK **774-3222**	24" Length

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

Bolt Cutters

STEELMAN

MAXILLA FOLDING BOLT CUTTERS
- Provides increased performance with 20% stronger jaws.
- Double pivot lock allows the tool to lock in both closed and open positions
- Compact design for quick and easy storage

Item No.	Size
BK **775-1015**	18"
BK **775-1016**	24"
BK **775-1017**	36"

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRESCENT H.K. PORTER

APX **0190MC**

INDUSTRIAL GRADE CENTER CUT BOLT CUTTERS
- General plant maintenance tool cuts soft and hard materials
- Toggle joint turns 50 lbs hand pressure to 4000 lbs cutting pressure
- Lock plate keeps jaws from loosening
- Steel handles with rubber grips

Item No.	Description	Item No.	Description
APX **1490MC**	14"	*APX* **0290MC**	30"
APX **0090MC**	18"	*APX* **0390MC**	36"
APX **0190MC**	24"	*APX* **0590MC**	42"

CRESCENT H.K. PORTER

APX **0090MCP**

COMPOUND ACTION BOLT CUTTER
- PowerLink™ Technology for superior cutting power
- Double compound cutting action
- Precision engineered induction hardened center cut blades

Item No.	Description
APX **0090MCP**	18"
APX **0190MCP**	24"

CRESCENT H.K. PORTER

APX **0890MA**

APX **0890MC**

APX **0890SMC**

COMPACT BOLT CUTTER
- Induction hardened cutting edges for ultimate durability
- Recessed notch blade design holds cutting material close for extreme cutting power

Item No.	Description
APX **0890MA**	Compact bolt/wire cutter, Angle head
APX **0890MC**	Compact bolt/wire cutter
APX **0890SMC**	Compact cutter, Co-mold grip, Spring

EVERCRAFT

OFFSET SNIP
Curved blades pivot easily for continuous cutting of mild steel, sheet metal, plastic, wire and cloth. Offset design keeps hands safely above cut. Chrome vanadium blades for strength and long life. 9¾".

Item No.	Description
BK **775-3437**	Left/Straight Cut Offset Snip

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT

AVIATION TIN SNIP
Curved blades pivot easily for continuous cutting of mild steel, sheet metal, plastic, wire and cloth. Chrome-vanadium steel blades for strength and durability. Length: 10".

BK **775-3434** Left Cut Aviation Tin Snip

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DEWALT

3 PK ERGO AVIATION SNIPS
- Reduced handle span for lower muscle effort
- Designed for cutting aluminum, vinyl siding, leather, copper, and 18-22 Gauge sheet metal
- Flush hardware for smooth cut

Includes: straight, right, and left cut snips

DEW **DWHT14676**

EVERCRAFT

STRAIGHT-CUT TIN SNIP
Designed for making straight or circular cuts in mild sheet metal, screening, chicken wire, linoleum, canvas and other soft materials. Drop-forged steel blades and cushioned handles for secure grip.

BK **775-3441** 12" Length, Straight-Cut Tin Snip

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WARNING: Always wear eye and face protection.

CRESCENT Wiss

AVIATION SNIPS

APX **M1R** *APX* **M2R** *APX* **M3R**

- Cuts left from tight curves to straight
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch
- Non-slip serrated molybdenum steel jaw holds material firmly and uniformly spreads cutting force across blade edge

Item No.	Descriptions
APX **M1R**	Left cut, cuts left from tight curves to straight, red handle
APX **M2R**	Right cut, cuts right from tight curves to straight, green handle
APX **M3R**	Straight cut, cuts straight and slight curves to straight, yellow handle

CARLYLE TOOLS by NAPA

DELUXE 12 IN. HACKSAW

Multi-angle adjustment (45°/90°/135°/180°). Features comfort-grip handle and storage area for 12" replacement blades. One 12", bimetal blade included.

BK **HSF-16**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

DUAL-GRIP HACKSAW

Quick-release blade with storage for spares. Multi-angle adjustment (45°/90°/135°/180°). Length: 12".

BK **HDG-12**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

TUBULAR ADJUSTABLE HACKSAW

Bi-metal 12 in. blade. Can cut at a 45° or 90° angle.
Overall Length: 16¼". Weight: 1 lb.

BK **HSF-14**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

CLOSE-QUARTERS HACKSAW

Perfect for cutting brass, copper, iron pipe, PVC and wood in tight spaces. Length: 6".

BK **HCQ-6**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

QUICK-SAW 8-1/2 IN. HACKSAW

Features sturdy screwdriver handle for a sure grip and allows for standard reciprocating saw blade. Two blades included.

BK **HSF-11**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

BK **TS-1232**

FLEXIBLE HACKSAW BLADES

High-carbon construction for general use, including cutting all non-ferrous metals and low-carbon steel. Width: ½". Thickness: 0.025". Weight: 4 oz.

Item No.	Description
BK **TS-1018**	10" Length, 18 Teeth
BK **TS-1024**	10" Length, 24 Teeth
BK **TS-1218**	12" Length, 18 Teeth
BK **TS-1224**	12" Length, 24 Teeth
BK **TS-1232**	12" Length; 32 Teeth

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

CARLYLE TOOLS by NAPA

PROFESSIONAL GRADE BI-METAL HACKSAW BLADES

Alloy blades make quick, clean cuts in nickel, high-carbon steel and other tough alloys. For professional use. Width: ½". Thickness: 0.025". Weight: 4 oz.

Item No.	Description
BK **MO-1018**	10" Length, 18-Teeth
BK **MO-1024**	10" Length, 24-Teeth
BK **MO-1032**	10" Length, 32-Teeth
BK **MO-1218**	12" Length, 18-Teeth
BK **MO-1224**	12" Length, 24-Teeth
BK **MO-1232**	12" Length, 32-Teeth

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

EVERCRAFT

HACKSAW BLADES

6" blade, 24 teeth per inch. For use with close-quarters hacksaw.

BK **775-0246**

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

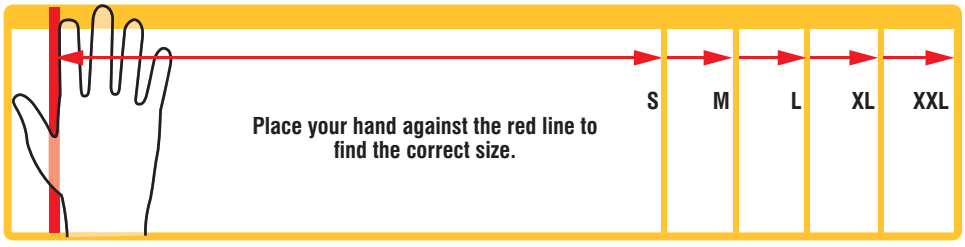
WARNING: Always wear eye and face protection.

Body Protection 978-983
Clean-Up Kits 984-985
Eye Protection 968-973
Fire Extinguishers 991-992
First Aid Kits 983-984
Flares 991
Hand Protection 952-965
Hearing Protection 965-968
Oily Waste Cans 994
Respiratory Protection 973-977
Safety Cabinets 994-995
Safety Cones 991
Safety Signs 993
Safety Vests 987-988
Spill Containment 986
Spill Containment Systems 993
Weather Safety Protection 989-990

DISPOSABLE GLOVE SELECTION CHART

	Brand	Thickness (mil)	Color	Powder Free	Cuff Length	Beaded Cuff	Textured	Exam/ Medical	Best Uses
Nitrile									
	Challenger	4	Blue	PF	9"	Yes	Fully	Yes	General purpose, Tire Repair, Plumbing, Painting, Automotive, Industrial, and Chemical
	Challenger	5	Blue	PF	9"	Yes	Palm	Yes	General purpose, Tire Repair, Plumbing, Painting, Automotive, Industrial, and Chemical
	Challenger	6	Black	PF	9"	Yes	Fingertip	Yes	General purpose, Tire Repair, Plumbing, Painting, Automotive, Industrial, and Chemical
	Challenger	8	Black	PF	12"	Yes	Fully	No	General purpose, Tire Repair, Plumbing, Painting, Automotive, Industrial, and Chemical
	Diamond Grip™	8	Natural	PF	9.6"	Yes	Fingertip	Yes	Automotive, Industrial and Fluid Change
	MidKnight®	6	Black	PF	9.6"	Yes	Fully	Yes	Automotive, Industrial, Painting and Chemical
	Supreno® SE	7	Blue	PF	9.6"	Yes	Fingertip	Yes	Automotive, Chemical, Industrial and Fluid Change
	ProGuard by Impact	15	Green	PF	12"	No	Fully	No	Heavy-Duty, Floor Degreasing, Print Solvents, Handling Food, and Oven Cleaning
Latex									
	Challenger	4	Natural	PF	9"	Yes	Fully	No	General purpose, Tire Repair, Plumbing, Automotive, Industrial, and Chemical
	Challenger	8	Blue	PF	9"	Yes	Fingertip	No	General purpose, Tire Repair, Plumbing, Automotive, Industrial, and Chemical
	Challenger	13	Blue	PF	12"	Yes	Fully	No	General purpose, Tire Repair, Plumbing, Automotive, Industrial, and Chemical
	Black Dragon	5	Black	PF	9.6"	Yes	Fully	Yes	Automotive, Industrial and Fluid Change
	SafeGrip®	14	Blue	PF	11.6"	Yes	Fully	Yes	Automotive, Industrial and Fluid Change
	ProGuard by Impact	5.1	Natural	PF	9"	Yes	No	Yes	Dental, Sanitation, Janitorial, Healthcare, Chemical, and Laboratory

CHALLENGER GLOVES SIZING GUIDE



STORAGE: *Store under cool, dry conditions. Avoid direct sunlight. Store below 104˚F (40˚C). Shield from direct exposure to sun or fluorescent lighting. Wash hands before use and change gloves when you move to a new task.*

CAUTION: Components used in making gloves may cause allergic reactions in some users. If allergic symptoms occur, discontinue use and immediately consult a physician.

CHALLENGER GLOVES

NITRILE POWDER-FREE GLOVES

Our 4 mil glove offers maximum sensitivity and feel. Latex-free, 100% nitrile reduces risk of allergies. Rolled cuff prevents dirt from entering the glove. These gloves offer a secure shield against a variety of chemicals, detergents and other harmful solvents. Great for manufacturing, light-duty maintenance and cleanup, intricate parts handling, laboratory analysis/technical work and automotive repair. Cuff length: 9".

4 MIL

Item No.	Size	Pkg. Qty.
NSE **360-101**	Medium	Box of 100
NSE **360-102**	Large	Box of 100
NSE **360-103**	X-Large	Box of 100
NSE **360-104**	XX-Large	Box of 100

CHALLENGER GLOVES

NITRILE POWDER-FREE GLOVES

Made from 100% nitrile to provide superior resistance to a wide range of solvents and hazardous chemicals. Powder-free, so it leaves no residue. Textured fingers provide a secure grip on dirty parts and tools. Suitable for users with natural rubber latex sensitivity. Cuff length: 9".

5 MIL

Item No.	Size	Pkg. Qty.
NSE **360-131**	Medium	Box of 100
NSE **360-132**	Large	Box of 100
NSE **360-133**	X-Large	Box of 100
NSE **360-134**	XX-Large	Box of 90

CHALLENGER GLOVES

NITRILE POWDER-FREE GLOVES

Perfect balance of durability and tactile feel makes this the #1 choice of automotive technicians. Ideal for heavy-duty protection from greases, oil, diesel, fuel, acids and many petroleum-based products. Specifically designed with a distinct black color that masks dirt, oils and stains. Textured surface provides grip when handling equipment and tools. Extraordinary strength and puncture resistance. Cuff length: 9".

BEST SELLER

6 MIL

Item No.	Size	Pkg. Qty.
NSE **360-110**	Small	Box of 100
NSE **360-111**	Medium	Box of 100
NSE **360-112**	Large	Box of 100
NSE **360-113**	X-Large	Box of 100
NSE **360-114**	XX-Large	Box of 90
NSE **360-122**	Large	Box of 20
NSE **360-123**	X-Large	Box of 20
NSE **360-124**	XX-Large	Box of 20

CHALLENGER GLOVES

NITRILE POWDER-FREE GLOVES

This thicker 8 mil powder-free nitrile glove delivers superior grip in both wet and dry applications. Recommended for use when added protection is required in tough work environments. Distinct black color helps to mask stains, inks and dyes. Heavy-duty black nitrile gloves are perfect for professionals and do-it-yourself alike. Cuff length: 9".

8 MIL

Item No.	Size	Pkg. Qty.
NSE **360-141**	Medium	Box of 50
NSE **360-142**	Large	Box of 50
NSE **360-143**	X-Large	Box of 50
NSE **360-144**	XX-Large	Box of 45

CHALLENGER GLOVES

LATEX POWDER-FREE GLOVES

General-purpose, disposable glove is fully textured to provide enhanced grip. The beaded cuff keeps gloves from rolling up while in use, even during the most demanding jobs. The texture channels moisture, oils and greases for enhanced grip. Great for manufacturing, light-duty maintenance and cleanup, intricate parts handling, laboratory analysis/technical work and automotive repair. Cuff length: 9".

CAUTION: Materials used in making gloves may cause allergic reactions in some users.

4 MIL

Item No.	Size	Pkg. Qty.
NSE **360-151**	Medium	Box of 100
NSE **360-152**	Large	Box of 100
NSE **360-153**	X-Large	Box of 100

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CHALLENGER GLOVES

LATEX POWDER-FREE GLOVES

Fully-textured surface provides positive grip when handling equipment and tools. Twice the thickness of regular latex gloves with 12" extended cuff, providing extra coverage over the wrist and forearm for enhanced safety and security. Superior comfort with excellent dexterity and a strong grip. Cuff length: 12".

CAUTION: Materials used in making gloves may cause allergic reactions in some users.

8 MIL

Item No.	Size	Pkg. Qty.
NSE **360-161**	Medium	Box of 100
NSE **360-162**	Large	Box of 100
NSE **360-163**	X-Large	Box of 100
NSE **360-164**	XX-Large	Box of 90

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Hand Protection

CHALLENGER GLOVES

LATEX POWDER-FREE GLOVES

Our thickest and most durable glove, made for high risk and mid- to heavy-duty applications. Provides extra protection and stronger resistance to wear and tear. Latex provides better elasticity than nitrile, chloroprene, or vinyl, and better puncture resistance. Our 12" extended cuff provides extra protection over the wrist and forearm. Recommended for use when added protection is required for the toughest jobs. Cuff length: 12".

CAUTION: Materials used in making gloves may cause allergic reactions in some users.

13 MIL

Item No.	Size	Pkg. Qty.
NSE **360-171**	Medium	Box of 50
NSE **360-172**	Large	Box of 50
NSE **360-173**	X-Large	Box of 50
NSE **360-174**	XX-Large	Box of 50

MICROFLEX ADVANCED DISPOSABLE HAND PROTECTION BLACK DRAGON

LATEX POWDER-FREE EXAMINATION GRADE GLOVES

If you are working with tools and equipment, consider Black Dragon® gloves for a more secure grip. The fully textured surface provides confidence while the black color allows for better focus by hiding stains.

- Strong and durable
- Black color provides better framing which increases eye focus
- Fully textured, but thinner at the palm and finger to provide greater sensitivity
- Cuff length: 9.6"

CAUTION: Materials used in making gloves may cause allergic reactions in some users.

5.1 MIL

Item No.	Size	Pkg. Qty.
NSE **BD-1003 -PF**	Large	Box of 100
NSE **BD-1004 -PF**	X-Large	Box of 100

MICROFLEX ADVANCED DISPOSABLE HAND PROTECTION DIAMOND GRIP

LATEX POWDER-FREE EXAMINATION GRADE GLOVES

The benchmark in strength and durability in latex gloves. Thicker than typical latex gloves, Diamond Grip™ gloves provide dependable protection with a reliable grip.

- Unique design prevents rips and tears
- Enhanced, textured fingertips for added protection and function
- Ideal for rugged tasks in mid-to heavy-duty environments
- Cuff length: 9.6"

8 MIL

Item No.	Size	Pkg. Qty.
NSE **MF-300-M**	Medium	Box of 100
NSE **MF-300-L**	Large	Box of 100
NSE **MF-300-XL**	X-Large	Box of 100

MICROFLEX ADVANCED DISPOSABLE HAND PROTECTION midknight

NITRILE POWDER-FREE EXAMINATION GRADE GLOVES

If you are concerned about tactile sensitivity, consider Black Dragon® Zero gloves featuring textured fingertips. These gloves not only mask stains and provide better framing, they are also easy to put on and wear comfortably.

- Textured fingertips allow a secure grip on tools
- Black color masks stains and provides a backdrop for powders, solvents and other work elements
- Cuff length: 9.6"

6 MIL

Item No.	Size	Pkg. Qty.
NSE **MK-296-L**	Large	Box of 100
NSE **MK-296-XL**	X-Large	Box of 100

MICROFLEX ADVANCED DISPOSABLE HAND PROTECTION BLAZE

NITRILE POWDER-FREE EXAMINATION GRADE GLOVES

This high visibility orange glove is perfect for safety and EMS applications. The 10.6" cuff provides enhanced durability with exam grade protection. Textured fingers for increased gripping power. Meets or exceeds the emergency medical glove requirements of NFPA 1999, Standard on Protective Clothing for Emergency Medical operations, 2013 edition. Cuff length: 10.5"

5 MIL

Item No.	Size	Pkg. Qty.
NSE **N482**	Medium	Box of 100
NSE **N483**	Large	Box of 100
NSE **N484**	X-Large	Box of 100
NSE **N485**	XX-Large	Box of 100

MICROFLEX ADVANCED DISPOSABLE HAND PROTECTION SAFEGRIP

LATEX POWDER-FREE EXAMINATION GRADE GLOVES

- SafeGrip® provides ideal protection for heavy-duty jobs. Three times thicker than standard latex gloves, SafeGrip® provides unparalleled defense against many hazards in the work area
- The thickest Microflex® glove in palm and finger
- Textured fingertips for a secure grip
- Cuff length: 11.6"

14 MIL

Item No.	Size	Pkg. Qty.
NSE **SG-375-L**	Large	Box of 50
NSE **SG-375-XL**	X-Large	Box of 50

MICROFLEX
ADVANCED DISPOSABLE HAND PROTECTION
SUPRENO SE

NITRILE POWDER-FREE EXAMINATION GLOVES

Supreno® SE gloves provide the durability needed for demanding applications. Offering all the benefits of a nitrile glove, Supreno® SE meets your requirement of strength and comfort.

- Provides durable, heavy-duty coverage
- Non-stick properties resist tape and adhesives
- Textured fingers ensure strong grip and maximum protection
- Cuff length: 9.5"

7 MIL

Item No.	Size	Pkg. Qty.
NSE **SU-690-L**	Large	Box of 100
NSE **SU-690-XL**	X-Large	Box of 100

ProGuard impact

LATEX POWDER-FREE EXAMINATION GLOVES

- Superior elasticity for exceptional comfort, strength, and dexterity
- Conformed fit allows for better grip and control while limiting likelihood of puncturing or ripping glove
- Cuff length: 9"

5.1 MIL

Item No.	Size	Pkg. Qty.
NSE **360-241**	Medium	Box of 100
NSE **360-242**	Large	Box of 100
NSE **360-243**	X-Large	Box of 100

PF POWDER-FREE 2 SINGLE USE ONLY

ProGuard impact

NITRILE FLOCK LINED CHEMICAL RESISTANT GLOVES

LATEX LATEX-FREE

Resists a wide range of acids, aggressive solvents and petroleum based products.

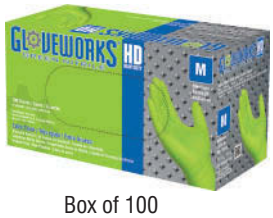
- Medium weight; non-slip grip, 15 mil
- FDA compliant; puncture resistant; abrasion resistant
- Green in color
- Cuff length: 12"

15 MIL

Item No.	Size	Pkg. Qty.
NSE **360-901**	Medium	(1) Pair
NSE **360-902**	Large	(1) Pair
NSE **360-903**	X-Large	(1) Pair

AMMEX GLOVEWORKS

GLOVEWORKS HD NITRILE EXTRA THICK DIAMOND TEXTURED GLOVES



Box of 100

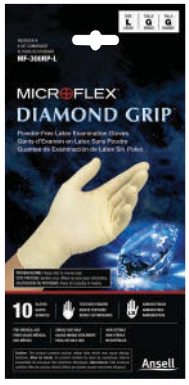
- Non-sterile
- Chlorinated
- 9.5 in. length
- Single use only
- Latex and powder-free
- Industrial grade nitrile

8 MIL

Item No.	Color	Size
NSE **GWON44100**	Orange	Medium
NSE **GWON46100**	Orange	Large
NSE **GWON48100**	Orange	X-Large
NSE **GWON49100**	Orange	XX-Large
NSE **GWGN44100**	Green	Medium
NSE **GWGN46100**	Green	Large
NSE **GWGN48100**	Green	X-Large
NSE **GWGN49100**	Green	XX-Large

NAPA

DIAMOND GRIP DISPOSABLE LATEX GLOVES – 10 PACK



Recommended for use when strength and durability are a requirement on a regular basis.

- Prevents rips and tears due to thicker fingertips than most standard latex gloves
- Allows easy donning and a cooler, drier and more comfortable fit
- Ambidextrous
- Provides excellent protection for automotive applications
- Delivers a secure and dependable grip for rugged work settings especially in oily environments
- Size Large
- Pack of 10

NSE **360-302**

NAPA

MIDKNIGHT DISPOSABLE NITRILE GLOVES – 10 PACK

Recommended for use when day-to-day hazards require the best combination of durability and consistency.

- Provides firm and consistent wet grip due to fully textured design and non-foaming formula
- Offers a higher tensile strength and flexibility compared to the minimum requirements as set for both ASTM D6319 and EN 455 standards
- Ambidextrous
- Contains no natural rubber latex and powder-free, to help protect against type I skin allergies and irritation
- Distinctive black color hides stains and provides a contrasting backdrop for identifying lighter color material
- Size Large
- Pack of 10

NSE **360-312**

Hand Protection

GREASE MONKEY HONEYCOMB LATEX GLOVES

Grease Monkey provides trusted protection. From heavy-duty latex to high-performance nylon gloves, they're rugged enough to take on the toughest jobs. From the job site to the shop, or under the hood of a vehicle, there's no task too big for Grease Monkey gloves.

- Superior dry grip
- Machine washable
- Comfortable knit shell is breathable
- Knit wrist keeps dirt and debris out
- Textured latex coating is durable and enhances grip strength
- 14-Pair

BK **763-1349** Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY NITRILE-COATED GLOVES

- This value pack contains 20 pairs
- Knit wrist keeps dirt and debris out
- Latex-free – safe for people with latex allergies
- Smooth nitrile palm coating provides excellent dry grip
- Thin coating is abrasion and water resistant while maintaining great dexterity

BK **763-1350**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SAFETY GLOVE DISPENSER

- White powder coated steel prohibits rust
- Load will fast-moving gloves to reduce refill frequency, lost boxes, and out of stocks. Won't rust or collect dust and dirt. Can be wall or table mounted to fit any workstation
- Universal holder for all sizes of disposable glove boxes
- Can be mounted on wall or table vertically or horizontally
- Organize disposable gloves for quick and easy access
- Won't collect dust, dirt or liquid
- Easy to sanitize
- Size: 7 in. x 8 in. x 4 in.

NSE **360-500**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAFETY GLOVE DISPENSER

- Includes mounting tape
- Wall or table mount, vertical or horizontally
- Universal holder for all sizes of disposable glove boxes
- Can be used to mount *NSE* **390-022** Bloodborne Pathogen Kit
- Load will fast-moving gloves to reduce refill frequency, lost boxes, and out of stocks. Can be wall or table mounted to fit any workstation
- Organize disposable gloves for quick and easy access
- Size: 6 in. x 4 in. x 10.5 in.

NSE **360-501**

MAGNETIC GLOVE DISPENSER

Magnetic glove dispenser attaches to any ferrous surface and is ideal for easy use and convenient storage.

- (4) Powerful magnets provide 8 lb. load capacity
- Self-adjusting spring sides hold various box sizes

CHT **24945**

Suggested
Limited Use
Inadequate
Not rated

CHEMICAL RESISTANCE CHART

This chemical chart is for reference use only. We recommend on-site testing of all gloves and provide free samples to determine safe usage. Please contact your NAPA AUTO PARTS Store sales professional for details

	Latex	Nitrile	Vinyl
Acetaldehyde, 99.5%			
Acetic Acid			
Acetone, 99.5%			
Acetonitrile, 99%			
Acrylic Acid, 99%			
Acrylonitrile			
Ammonium Fluoride, 40%			
Ammonium Hydroxide, 85%			
Amyl Acetate, 100%			
Amyl Alcohol, 99%			
Aniline, 99%			
Animal Fats			
Aqua Regia			
Battery Acid			
Benzaldehyde, 99.5%			
Benzene			
Benzyl Chloride			
Bromine			
Bromopropionic Acid, Sat			
Butane			
2-Butoxyethanol			
Butyl Acetate, 99%			
Butyl Alcohol, 99%			
Butyl Cellosolve, 99%			
Butyrolactone, 99%			
Calcium Hypochlorite			
Carbolic Acid			
Carbon Dichloride			
Carbon Disulfide, 99.9%			
Carbon Tetrachlorlde, 99%			
Castor Oil			
Cellosolve Acetate, 99%			
Cellosolve Solvent			
Chlorine			
Chloroacetone			
Chlorobenzene			
Chloroform			
Chloronaphalenes			
Chlorothene VG			
Chromic Acid, 50%			
Citric Acid, 10%			
Cottonseed Oil			
Creosol			
Cutting Oil			
Cyclohexane			
Cyclohexanol, 98%			
Diacetone Alcohol, 99%			
Dibutyl Phthalate, 99%			
Diamine			
Diethylamine, 99%			
Diethyl Ether			
Di-Isobutyl Ketone, 80%			
Dimethyl Acetamide, 99%			
N, N-Dimethyl Formamide, 99%			
Dimelhyl Sulfoxide, 99%			
Dioctyl Phthalate, 99%			

	Latex	Nitrile	Vinyl
1, 4 Dioxane, 99.9%			
Epichlorohydrin, 99%			
Ethanol			
2-Ethoxyethanol			
Ethyl Acetate, 99%			
Ethyl Alcohol, 90%			
Ethyl Ether, 99%			
Ethylene Dichloride			
Ethylene Glycol, 99%			
Ethyl Glycol Ether, 99%			
Ethylene Trichloride			
Fluorine			
Formaldehyde, 99%			
Formalin Solution			
Formic Acid, 95%			
Freon TF, 99%			
Furfural, 99%			
Gasoline, 100%			
Glutaraldehyde, 25%			
Glycerine			
Glycerol			
Heptane			
Hexamethyldisilazine, 97%			
Hexane, 99%			
Hydraulic Fluid-Petrol Base			
Hydraulic Fluid-Ester Base			
Hydrazine, 65%			
Hydrochloric Acid, 38%			
Hydrofluoric Acid, 48%			
Hydrogen Peroxide, 30%			
Hydroquinone			
Hypophosphorus Acid, 50%			
Iodine			
Isobutyl Alcohol, 99%			
Iso-Octane, 99%			
Isopropanol			
Isopropyl Alcohol, 99%			
Isopropyl Benzene			
Kerosene, 100%			
Lactic Acid, 85%			
Lauric Acid, 36%			
Linoleic Acid			
Linseed Oil			
Maleic Acid. 100%			
Methanol			
Methyl Acetate			
Methyl Alcohol, 99.9%			
Methylamine, 40%			
Methyl-Butyl Ether, 99.8%			
Methyl Cellosolve, 99%			
Methylamine			
Methyl Chloride			
Methylene Chloride			
Methyl Ethyl Ketone, 99%			
Methyl Isobutyl Ketone			
Methyl Methacrylate			
Mineral Oil			

	Latex	Nitrile	Vinyl
Mineral Spirits, 100%			
Monoethanolamine, 99%			
Morpholine, 99%			
Muriatic Acid, 100%			
Naphtha VM&P, 100%			
N-Methyl-2 Pyrrolidone, 99%			
Naphthalene			
Nitric Acid, 10%			
Nitric Acid, 70%			
Nitrobenzene, 99%			
Nitromethane, 95.5%			
Nitropropane, 95.5%			
Octyl Alcohol, 99%			
Oleic Acid, 99%			
Oxalic Acid, 12.5%			
Paint Remover			
Palmitic Acid, Sat.			
Pentachlorophenol, 35%			
Pentane, 98%			
Perchloric Acid, 60%			
Perchloroethylene			
Perholffeum Ether			
Phenol, 90%			
Phosphoric Acid, 85%			
Picric Acid			
Potassium Hydroxide, 50%			
Printing Ink			
Propyl Acetate, 99%			
Propyl Alcohol, 96%			
Propylene Oxide			
Pyridine, 99%			
Rubber Solvent, 100%			
Rule Solvent			
Sodium Hydroxide, 50%			
Sodium Hypochlorite			
Stoddard Solvent, 99%			
Styrene			
Sulfuric Acid, 95%			
Tannic Acid, 37.5%			
1,1,2,2-Tetrachloroethane, 99%			
Tetrachloroethylene,100%			
Toluene, 99%			
Toluene Di-Isocyanate			
1,1,1-Trichlorethane 99%			
Trichloroethylene			
Tricresyl Phosphate, 90%			
Triethanolamine, 85%			
Tung Oil			
Turbine Oil			
Turpentine, 100%			
Vegetable Oil			
Vinyl Acetate			
Xylene			

MECHANIX WEAR® ORIGINAL™ GLOVES

- Form-fitting TrekDry® material helps keep hands cool and comfortable
- Adjustable Thermoplastic Rubber (TPR) wrist closures create a secure fit
- Reinforced thumb and index finger improve durability
- Touchscreen capable synthetic leather provides the perfect blend of dexterity and durability
- Reinforced index finger and thumb deliver added durability where you need it most
- Machine washable

Item No.	Description
BK **763-1110**	Black/Small
BK **763-1111**	Black/Medium
BK **763-1112**	Black/Large
BK **763-1113**	Black/X-Large
BK **763-1114**	Black/XX-Large
BK **763-1105**	Blue/Small
BK **763-1106**	Blue/Medium
BK **763-1107**	Blue/Large
BK **763-1108**	Blue/X-Large
BK **763-1109**	Blue/XX-Large
BK **763-1100**	Red/Small
BK **763-1101**	Red/Medium
BK **763-1102**	Red/Large
BK **763-1103**	Red/X-Large
BK **763-1104**	Red/XX-Large
BK **763-1189**	Stealth/Small

Item No.	Description
BK **763-1190**	Stealth/Medium
BK **763-1191**	Stealth/Large
BK **763-1192**	Stealth/X-Large
BK **763-1193**	Stealth/XX-Large
BK **763-1289**	Coyote/Medium
BK **763-1290**	Coyote/Large
BK **763-1291**	Coyote/X-Large
BK **763-1295**	Multi-Cam/ Medium
BK **763-1296**	Multi-Cam/Large
BK **763-1297**	Multi-Cam/ X-Large
BK **763-1277**	Gray Wolf/Medium
BK **763-1278**	Gray Wolf/Large
BK **763-1279**	Gray Wolf/X-Large

MECHANIX WEAR® HI-VIZ FASTFIT GLOVES

- Form-fitting TrekDry® material in Hi-Viz helps keep hands cool and comfortable
- Stretch-elastic cuffs create a secure fit
- Reinforced thumb and index finger improve durability
- Touchscreen capable synthetic leather provides the perfect blend of dexterity and durability
- Pinched fingertip construction improves fingertip strength and durability
- Machine washable

Item No.	Description
BK **763-1247**	Day-Glo/Medium
BK **763-1248**	Day-Glo/Large
BK **763-1249**	Day-Glo/X-Large
BK **763-1250**	Day-Glo/XX-Large

MECHANIX WEAR® HI-VIZ - FASTFIT GLOVES

- Form-fitting TrekDry® material in Hi-Viz helps keep hands cool and comfortable
- Stretch-elastic cuffs create a secure fit
- Reinforced thumb and index finger improve durability
- Touchscreen capable synthetic leather provides the perfect blend of dexterity and durability
- Pinched fingertip construction improves fingertip strength and durability
- Machine washable

Item No.	Description
BK **MFF-91-009**	Medium
BK **MFF-91-010**	Large
BK **MFF-91-011**	X-Large

MECHANIX WEAR® MATERIAL4X® ORIGINAL GLOVES

Material4X® synthetic leather redefines durability with superior wear, higher abrasion, and greater tear resistance. Material4X® is completely machine washable, making this glove as practical as it is popular.

- Offers superior abrasion and greater tear resistance than standard synthetic leather gloves
- Form-fitting TrekDry® material top helps keep hands dry and comfortable
- Thermal Plastic Rubber (TPR) closure provides a secure fit to the wrist
- Machine washable

Item No.	Description
BK **763-2257**	Medium
BK **763-2251**	Large
BK **763-2252**	X-Large

MECHANIX WEAR® CARLYLE® GLOVES

Same industry leading Mechanix Wear® original glove with Carlyle® badge, the fastest gowing professional hand tools in the automotive industry.

Item No.	Description
BK **763-2247**	Medium
BK **763-2248**	Large
BK **763-2249**	X-Large

SPECIALTY GRIP GLOVES

- Form-fitting TrekDry® material keeps working hands cool and comfortable
- Adjustable Wide-Fit™ closure provides a secure fit
- Textured Armortex® provides enhanced gripping power in dry, oily and wet conditions
- Pinched fingertip construction improves fingertip strength and durability
- Machine washable

Item No.	Size
BK **MSG-05-008**	Small
BK **MSG-05-009**	Medium
BK **MSG-05-010**	Large

Item No.	Size
BK **MSG-05-011**	X-Large
BK **MSG-05-012**	XX-Large

ORIGINAL INSULATED GLOVES

- Protect hands from burns, scrapes, cuts and abrasions
- Water-resistant, cold weather protection
- Synthetic leather fingertip reinforcements provide strength and protection
- Concealed interior seam stitching prevents snagging
- Dual-layered fingertips and thumb
- Streamlined elastic cuff with hook and loop
- Fleece lining for additional warmth

Item No.	Size
BK **763-1271**	Medium
BK **763-1272**	Large
BK **763-1273**	X-Large

MECHANIX WEAR® M-PACT 2 GLOVES

- Protect your hands with 360° of protection
- Anatomically designed for an unbelievable fit, the M-Pact 2 is ready for work
- Rubberized fingertips and thumb improve grip and control
- EVA palm pad reduces impact operating hand tools
- The accordion knuckle guard with EVA foam padding and molded rubber finger panels reduce impact injuries

Item No.	Description
BK **763-1133**	Medium
BK **763-1134**	Large
BK **763-1135**	X-Large

MECHANIX WEAR® FASTFIT® GLOVES

- Form-fitting TrekDry® material keeps working hands cool and comfortable
- Stretch-elastic cuff provides a secure fit to the wrist
- Reinforced thumb and index finger provide added durability
- Anatomically designed two-piece palm design eliminates material bunching
- Pinched fingertip construction improves fingertip stretch and durability
- High-dexterity 0.6mm synthetic leather provides optimal dexterity
- Touchscreen capable synthetic leather keeps you connected while you work

Item No.	Description
BK **763-1239**	Black/Small
BK **763-1240**	Black/Medium
BK **763-1241**	Black/Large
BK **763-1242**	Black/X-Large
BK **763-1243**	Black/XX-Large
BK **763-1283**	Gray Wolf/Medium
BK **763-1284**	Gray Wolf/Large
BK **763-1285**	Gray Wolf/X-Large
BK **763-1286**	Coyote/Medium
BK **763-1287**	Coyote/Large
BK **763-1288**	Coyote/X-Large
BK **763-1292**	Multi-Cam/Medium
BK **763-1293**	Multi-Cam/Large
BK **763-1294**	Multi-Cam/X-Large

poron XRD extreme impact protection

MECHANIX WEAR® M-PACT GLOVES

- Thermoplastic Rubber (TPR) impact protecting meets EN 13594 impact standard
- Thermoplastic Rubber (TPR) pinch-point fingertip protection
- Thermoplastic Rubber (TPR) closure provides a secure fit
- Breathable TrekDry keeps hands cool and comfortable
- Touchscreen capable synthetic leather keeps you connected while you work
- Armourtex palm reinforcement provides added furability
- D30 palm padding absorbs and dissipates high-impact energy through the palm
- Machine washable

Item No.	Color	Size
BK **763-1255**	Black/Red	Large
BK **763-1256**	Black/Red	X-Large
BK **763-1257**	Black/Gray	Medium
BK **763-1258**	Black/Gray	Large
BK **763-1259**	Black/Gray	X-Large
BK **763-1260**	Black/Gray	XX-Large
BK **763-1280**	Gray Wolf	Medium
BK **763-1281**	Gray Wolf	Large
BK **763-1282**	Gray Wolf	X-Large

Hand Protection

GEARWRENCH

HEAVY IMPACT WORK GLOVES

Extremely rugged gloves to hold up on the toughest jobs. Form-fitted and reinforced seams for durability. Designed by Mechanix Wear exclusively for GEARWRENCH®.

- Thermoplastic rubber (TPR) impact protection
- Microfiber sweat wipe on back of thumb
- Breathable TrekDry® inner layer on back of hand
- Touch screen capable
- Internal EVA foam palm padding
- Rugged canvas back
- Thumb reinforcement
- Extended cuff with hook and loop closure
- Machine washable
- 90 day limited warranty

Item No.	Size
APX **86986**	Medium
APX **86987**	Large
APX **86988**	Xtra-Large

CRESCENT

CRESCENT CONTRACTOR GLOVE

Extremely rugged gloves to hold up on the toughest jobs. Form-fitted and reinforced seams for durability. Designed by Mechanix Wear exclusively for Crescent.

- Durahide™ high abrasion leather and thumb reinforcement
- Thermoplastic rubber (TPR) impact protection
- CW level 4 abrasion rating
- Microfiber sweat wipe on back of thumb
- Internal EVA foam palm padding
- Rugged canvas back
- Extended cuff
- Hook and loop closure
- Machine washable
- 90 day limited warranty

Item No.	Size
APX **CWGMED**	Medium
APX **CWGLRG**	Large
APX **CWGXLG**	Xtra-Large

WIND-RESISTANT COLD WEATHER GLOVES

- Laminated wind barrier provides critical wind-resistance
- Hook and loop top closure creates a secure fit with outwear
- C40 3M Thinsulate traps warm air to help regulate your body temperature
- Ripstop nylon reinforcement prevents tearing and repels water
- AX Double Connect touchscreen compatible index finger and thumb
- Rugged Armortex palm and thumb reinforcement
- Layered palm construction reduces material bunching
- Removable spring clip keeps your gloves organized for easy storage
- Machine washable

Item No.	Size
BK **763-1274**	Medium
BK **763-1275**	Large
BK **763-1276**	X-Large

MECHANIX WEAR® SPEEDKNIT® GLOVES HI-VIZ GLOVES

SpeedKnit® hi-viz gloves are constructed with a high-visibility 15-gauge nylon shell to provide eye-catching luminance in low-light conditions. SpeedKnit® hi-viz gloves are coated with oil-resistant micro foam grip so you can work with confidence under the hood or in the workplace.

- Snug fit
- Machine washable
- Nitrile coated

BK **S1DE-91-500** Small/Medium
BK **S1DE-91-540** Large/X-Large

MECHANIX WEAR® SPEEDKNIT® COOLMAX® GLOVES

SpeedKnit® CoolMax® gloves are constructed with 13-gauge CoolMax® fabric technology to help transport perspiration and keep you cool while you work. SpeedKnit® CoolMax® gloves are coated with foam latex and textured grip so you can work with confidence in both dry and wet conditions.

- Machine washable
- Evaporative cooling
- Breathable coated
- Blue

BK **S1CB-03-500** Small/Medium
BK **S1CB-03-540** Large/X-Large

MECHANIX WEAR® SPEEDKNIT® CR5 GLOVES

SpeedKnit® CR5 cut-resistant gloves are constructed with high-tensile strength fibers to protect working hands with EN 388: 2003 Level 5 and ANSI A3 cut resistance. SpeedKnit® CR5 work gloves feature heavy-duty nitrile palm coating so you can work with abrasive materials with confidence.

- Snug fit
- Machine washable
- Durable gripping power

BK **S2DE-58-500** Small/Medium
BK **S2DE-58-540** Large/X-Large

MECHANIX WEAR® SPEEDKNIT® IMPACT GLOVES

SpeedKnit® impact gloves safeguard working hands with flexible Thermoplastic Rubber (TPR) on a seamless 13-gauge nylon shell. High-dexterity polyurethane palm coating enhances your grip when working with hand tools in wet and dry conditions.

- Snug fit
- Machine washable
- Protects hands from impact and abrasion
- Black

BK **S5CD-05-500** Small/Medium
BK **S5CD-05-540** Large/X-Large

MECHANIX WEAR® SPEEDKNIT® GLOVES

SpeedKnit® work gloves are constructed with a seamless 150gauge nylon shell to protect your hands without compromising dexterity and control. SpeedKnit® gloves are coated with oil-resistant micro foam grip so you can work with confidence under the hood or in the workplace.

- Snug fit
- Machine washable
- Nitrile coated
- Black

BK **S1DE-05-500** Small/Medium
BK **S1DE-05-540** Large/X-Large

NAPA® TOUCH SCREEN PADDED PALM GLOVES

- Gloves protect hands from cuts, bumps, dirt and abrasions
- Touch-screen capable

Item No.	Size
BK **899-2594**	Medium
BK **899-2595**	Large
BK **899-2596**	X-Large

NAPA® TECHNICIAN'S GLOVES

Amara synthetic leather palm. Spandex® back. Thermal plastic rubber cuff. Protects hands. One pair NAPA® branded.

Item No.	Description
BK **899-2160**	Medium
BK **899-2161**	Large
BK **899-2162**	X-Large

NAPA® NITRILE PALM DIPPED GLOVES

- Black foam nitrile palm for handling small parts
- Touchscreen capable on any device
- Breathable knit for comfort

Item No.	Size
BK **763-1308**	Medium
BK **763-1309**	Large
BK **763-1310**	X-Large

EVERCRAFT™ EVERCRAFT UTILITY GLOVES

- Synthetic leather palm with foam palm padding for impact resistance
- Shirred wrist
- Synthetic leather palm
- Gray with yellow and black color

Item No.	Size
BK **763-1305**	Medium
BK **763-1306**	Large
BK **763-1307**	X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASE MONKEY PRO PROTECT 2.0 GLOVES

Grease Monkey auto gloves are the glove choice for auto and diesel mechanics. New RhinoFlex impact technology provides great flexibility and breathability. These gloves can be used as mechanics gloves, everyday work gloves, carpenter's gloves, biking gloves, driving gloves, workout gloves, wheelchair gloves, etc.

- Touchscreen compatible
- RhinoFlex knuckle protection
- Carflage pattern
- Neoprene cuff
- Reinforced durable palm

Part No.	Description
BK **763-1311**	Medium
BK **763-1312**	Large
BK **763-1313**	X-Large

GREASE MONKEY HONEYCOMB GRIP GLOVES

Grease Monkey latex coated honeycomb grip gloves are constructed from tight knit polyester shell for fit and breathability. Honeycomb embossed foam latex offers higher flexibility that standard dip gloves.

- Knit wrist
- Increased comfort and decreased hand fatigue
- Machine washable
- Brand new honeycomb design
- Red / Gray color

Part No.	Size	Qty.
BK **763-1302**	Large	1 pair
BK **763-1304**	Large	10 pair
BK **763-1303**	X-Large	1 pair

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASE MONKEY BONES NITRILE GLOVES

Grease Monkey auto gloves are the glove choice for auto and diesel mechanics. These gloves protect your hands while allowing tactile gripping when working around oil and grease – perfect for changing oil, changing tires, replacing fluids and spark plugs.

- Superior grip
- Form-fitting shell
- Smooth nitrile palm
- Excellent choice for handling small parts

Part No.	Description
BK **763-1314**	Large
BK **763-1315**	X-Large

GORILLA GRIP MAX GLOVES

Gorilla Grip gloves are specialized for maximum durability, dexterity and guarantees a never-slip grip. Gorilla Grip gloves are constructed of nylon and dipped with a specialized coating to keep your hands protected no matter the application.

- Never slip technology
- Terrain textured shell
- Comfortable snug fit
- Touchscreen compatible

Part No.	Description
BK **763-1316**	Large
BK **763-1317**	X-Large

GREASE MONKEY BONES XTREME BLACK OUT GLOVES

Grease Monkey auto gloves are the glove choice for auto and diesel mechanics. These gloves can be used as mechanics gloves, everyday work gloves, carpenter's gloves, biking gloves, driving gloves, workout gloves, wheelchair gloves, etc.

- Tactical inspired
- Touchscreen compatible
- Palm reinforcement
- Neoprene cuff

Part No.	Description
BK **763-1318**	Medium
BK **763-1319**	Large
BK **763-1320**	X-Large

GORILLA GRIP A5 CUT GLOVES

Gorilla Grip gloves are specialized for maximum durability, dexterity and guarantees a never-slip grip. These gloves are constructed of nylon and dipped with a specialized coating to keep your hands protected no matter the application.

- Hi-Vis shell
- A5 cut resistant
- Never slip technology
- RhinoFlex knuckle protection

Part No.	Description
BK **763-1321**	Large
BK **763-1322**	X-Large

GREASE MONKEY GORILLA GRIP GLOVES

Gorilla Grip gloves are constructed of nylon and features a grip dip for wet and dry projects.

- Non-Rubber Grip
- Lightweight glove allows your hand to breathe during hard tasks
- Nylon Shell
- Non-Latex
- Unmatched grip
- Washable

Item No.	Description
BK **763-1299**	Medium
BK **763-1300**	Large
BK **763-1301**	X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GREASE MONKEY CREW CHIEF PRO HI-VIS GLOVES

Grease Monkey Crew Chief Pro gloves were designed specifically with mechanics in mind. These gloves feature independent protective impact bumpers for full back of hand protection against abrasion and impact. The hi-visibility material is a breathable, high dexterity gloves. A great option for automotive enthusiasts and professional mechanics.

- Hi-vis material
- Machine washable
- Adjustable wrist strap
- Touchscreen compatible
- Full back of hand protection
- Reinforced construction and wear pings

BK **763-1325** Large
BK **763-1326** X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY TOOL HANDLER GLOVES

Grease Monkey Tool Handler gloves are high-performance gloves that deliver versatility and performance for automotive enthusiasts and professional mechanics. The quick fit cuff design makes taking this glove on and off easy. Featuring breathable mesh and padded knuckles, this comfortable glove protects you all day long.

- Quick Fit cuff design for easy on and off
- Reinforced construction and wear pings
- High abrasion reinforced synthetic leather palm
- Padded knuckle protection
- Touchscreen compatible
- Machine washable

BK **763-1327** Medium
BK **763-1328** Large
BK **763-1329** X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY WOMEN'S CREW CHIEF PRO GLOVES

Grease Monkey Crew Chief Pro gloves were designed specifically with mechanics in mind. These gloves feature independent protective impact bumpers for full back of hand protection against abrasion and impact. This breathable, high dexterity glove is a great option for automotive enthusiasts and professional mechanics.

- Full back of hand protection
- Reinforced construction and wear pings
- Adjustable wrist strip for customized fit
- Touchscreen compatible
- Machine washable

BK **763-1330** Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY 3-PACK JERSEY GLOVES

Grease Monkey Jersey work gloves are the perfect multi-purpose gloves for a wide variety of tasks. These lightweight gloves feature a knit wrists to keep dirt and debris out. The soft jersey material makes wearing these gloves comfortable for all day wear.

- 3-Pair value pack
- Jersey material is comfortable and breathable
- Straight thumb design
- Knit wrist keeps dust and debris out

BK **763-1331** Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY CREW CHIEF PRO GLOVES

Grease Monkey Crew Chief Pro gloves were designed specifically with mechanics in mind. These gloves feature independent protective impact bumpers for full back of hand protection against abrasion and impact. This breathable, high-dexterity glove is a great option for automotive enthusiasts and professional mechanics.

- Full back of hand protection
- Reinforced construction and wear pings
- Adjustable wrist strap for customized fit
- Touchscreen compatible
- Machine washable

BK **763-1332** Large
BK **763-1333** X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY 3-PACK NITRILE GLOVES

- 3-Pair value pack
- Nitrile coating provides excellent grip
- Comfortable knit shell is breathable
- Knit wrist cuffs keep dirt and debris out
- Latex-free

BK **763-1334** Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY CARFLAGE FOAM NITRILE GLOVES

Grease Monkey foam nitrile gloves offer great performance and comfort. The breathable knit shell is comfortable and form-fitting. Coated in foam nitrile, these gloves offer great wet or dry grip.

- 2 Pair value pack
- Foam nitrile coating provides excellent grip
- Comfortable knit shell is breathable
- Knit wrist cuffs keep dirt and debris out
- Latex-free

BK **763-1335** Large
BK **763-1336** X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY BONES NITRILE GLOVES – 2 PACK

Grease Monkey provides trusted protection. From heavy-duty latex to high-performance nylon gloves, they're rugged enough to take on the toughest jobs. From the job site to the shop, or under the hood of a vehicle, there's no task too big for Grease Monkey gloves.

- Machine washable
- Knit wrist keeps dirt and debris out
- Breathable grip in wet or dry conditions
- Latex free – safe for people with latex allergies
- Foam nitrile textured palm coating enhances grip to maximum control and comfort
- 2-Pack

BK **763-1347** Small/Medium
BK **763-1348** Large/X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GORILLA GRIP GLOVES – 6 PACK

From light tasks to heavy-duty work, Gorilla Grip's patented gloves are the go-to choice for any project. With maximum durability, dexterity and a trusted never-slip grip – guaranteed superior grip every time. Gorilla Grip gloves are constructed of nylon and dipped with a specialized coating to keep hands protected no matter the application – wet, dry or oily.

- Knit wrist keeps dirt and debris out
- Latex free – safe for people with latex allergies
- Thin, lightweight and breathable for all day comfort
- Excellent gripping power in wet, dry and oily conditions
- Proprietary coating provides best in class fit and grip performance
- 6-Pack

BK **763-1345** Large
BK **763-1346** X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

GREASE MONKEY LOW PROFILE AIR GLOVES

- Breathable mesh back conforms to hand
- Extreme vented palm means all-day comfort
- Quick fit short cuff design for easy on and off
- Designed for mechanics – snug fit with no unnecessary bulk
- Touchscreen compatible – save time without removing gloves

BK **763-1351** Large
BK **763-1352** X-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

MECHANIX WEAR® DURAHIDE™ COW DRIVER GLOVES

DIY is more than a method, I's a way of life. We built our Durahide™ Cow Driver gloves for weekend warriors who need a versatile leather work glove that isn't afraid of water. Our proprietary Durahide™ DRY™ leather is water-resistant yet breathable, and ready to work with no break-in time.

- Comfortable keystone thumb design
- Comfortable stretch-elastic cuffs provide easy on and off flexibility
- The Gunn cut finger design repositions vulnerable seams for improved durability
- Durahide™ DRY™ leather is water-resistant yet breathable, and ready to work with no break-in time

Item No.	Size
BK **LDCW-75-008**	Small
BK **LDCW-75-009**	Medium
BK **LDCW-75-010**	Large
BK **LDCW-75-011**	X-Large
BK **LDCW-75-012**	XX-Large

MECHANIX WEAR® CASCADE WELDING GLOVES

We developed the Cascade in motorsports to handle a range of metalwork all with one set of welding gloves. It's crafted with Durahide™ cow performance leather to create the perfect tool for MIG and TIG welding applications. Our patented HiRoller™ fingertip design repositions exposed seams to improve dexterity, durability and control.

- Cowhide gauntlet cuffs protect against welding slag
- Comfortable Keystone thumb design gives you better control
- Internally reinforced fingertips provide crucial heat resistance and increased wear
- Gunn Cut glove design reduces seam usage in the palm for heavy material handling
- Curable Cow performance leather construction doesn't dry out or crack with heat exposure
- Glide-resistant leather side seam reinforcement protects from surface burns while you work
- Patent-pending rollover fingertip design offers welders better dexterity, durability and control

Item No.	Size
BK **WS-CCD-008**	Small
BK **WS-CCD-009**	Medium
BK **WS-CCD-010**	Large
BK **WS-CCD-011**	X-Large
BK **WS-CCD-012**	XX-Large

MECHANIX WEAR® FLUX WELDING GLOVES

Heavy hitters in the construction industry have grown accustomed to poor fitting welding gloves. We built our Flux gloves to handle high heat Stick work and MIG welding applications with a new level of control. The Flux is crafted with Durahide™ top grain cow, and lined with flame-resistant cotton to create the perfect tool for Stick welders. Our patented HiRoller™ fingertip design repositions exposed seams to improve dexterity, durability and control.

- Welding torch palm reinforcement
- FR Cotton lining provides added thermal protection
- Extended gauntlet cuff protects against welding slag
- Comfortable Keystone thumb design gives you better control
- 5mm Heat insert protects your knuckles with added heat resistance
- Durable Cow leather construction doesn't dry out or crack with heat exposure
- Internally reinforced fingertips provide crucial heat resistance and increased wear
- Gunn Cut glove design reduces seam usage in the palm for heavy material handling
- Glide-resistant leather side seam reinforcement protects from surface burns while you work
- Patent-pending rollover fingertip design offers welders better dexterity, durability and control

Item No.	Size
BK **WS-FLX-008**	Small
BK **WS-FLX-009**	Medium
BK **WS-FLX-010**	Large
BK **WS-FLX-011**	X-Large
BK **WS-FLX-012**	XX-Large

MECHANIX WEAR® PULSE WELDING GLOVES

A new level of control for precision welders is here. We built our Pulse welding gloves with comfortable Durahide™ goatskin to create the perfect tool for TIG welders. Our patented HiRoller™ fingertip design repositions exposed seams to improve dexterity, durability and control.

- Cowhide gauntlet cuffs protect against welding slag
- Glide-resistant leather side seam reinforcement protects from surface burns while you work
- Durahide™ Goat performance leather construction doesn't dry out or crack with heat exposure
- Patent-pending rollover fingertip design offers welders better dexterity, durability and control

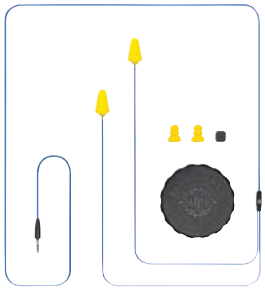
Item No.	Size
BK **WS-PLS-008**	Small
BK **WS-PLS-009**	Medium
BK **WS-PLS-010**	Large
BK **WS-PLS-011**	X-Large
BK **WS-PLS-012**	XX-Large

MECHANIX WEAR® REGULATOR WELDING GLOVES

We developed the Regulator for MIG welders working in heavy construction where sharp materials are at work. Regulator welding gloves are crafted with durable boar leather, constructed with DuPont™ Kevlar® thread, and lined with ANSI A4 cut-resistant fabric to protect working hands under the hood. Our patented HiRoller™ fingertip design repositions exposed seams to improve dexterity, durability and control.

- FR Cotton lining provides added thermal protection
- Extended gauntlet cuff protects against welding slag
- Comfortable Keystone thumb design gives you better control
- Durable boar performance leather doesn't dry out or crack with heat exposure
- Internally reinforced fingertips provide crucial heat resistance and increased wear
- Gunn Cut glove design reduces seam usage in the palm for heavy material handling
- Glide-resistant leather side seam reinforcement protects from surface burns while you work
- Patent-pending rollover fingertip design offers welders better dexterity, durability and control
- Cut-resistant liner made with DuPont™ Kevlar® fiber protects against punctures and lacerations
- Stitching with DuPont™ Kevlar® throughout provides structural integrity and resilience under constant heat

Item No.	Size
BK **WS-REG-008**	Small
BK **WS-REG-009**	Medium
BK **WS-REG-010**	Large
BK **WS-REG-011**	X-Large
BK **WS-REG-012**	XX-Large



WIRED EARPLUGS WITH AUDIO

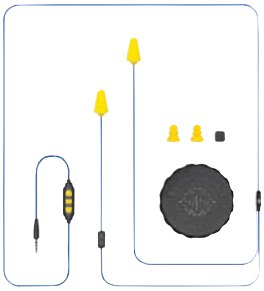
PLUGFONES™ Guardian features interchangeable safety-rated earplug tips with 29 NRR SoundSeal Noise-Suppressing Technology, that act as a barrier between you and everything you don't want to hear.

- Double-reinforced jack
- Tuned speaker
- Sweat-resistant
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria
- 54 in. long and weighs 0.35 oz.
- Includes waterproof case

Contents: (1) Pair of Earbuds, (1) Pair of Interchangeable ComforTiered Silicone Plugs, (1) Pair of Interchangeable ComforTiered Foam Plugs, (1) Waterproof Case, (1) Cable Management Clip, (1) Quick Start Guide

Part No.	Description
NSE **PG-UY**	Blue/Yellow
NSE **PG-BB**	Black/Black
NSE **PG-UO**	Blue/Orange

WIRED EARPLUGS WITH AUDIO & MIC



PLUGFONES™ Guardian Plus features interchangeable safety-rated earplug tips with 29NRR SoundSeal Noise-Suppressing Technology, that act as a barrier between you and everything you don't want to hear. Built-in IsoTalk noise isolating mic identifies and silences environmental noise.

- Quickdraw easy access control with functions to play or pause, answer or end calls, adjust volume and progress through songs
- Double-reinforced jack
- Tuned speaker
- Sweat-resistant
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria
- 54 in. long and weighs 0.5 oz.
- Waterproof case

Contents: (1) Pair of Earbuds, (1) Pair of Interchangeable ComforTiered Silicone Plugs, (1) Pair of Interchangeable ComforTwist Foam Plugs, (1) Waterproof Case, (1) Cable Management Clip, (1) Quick Start Guide

Part No.	Description
NSE **PGP-UY**	Blue/Yellow
NSE **PGP-BB**	Black/Black
NSE **PGP-UO**	Blue/Orange

BLUETOOTH EARPHONES WITH AUDIO

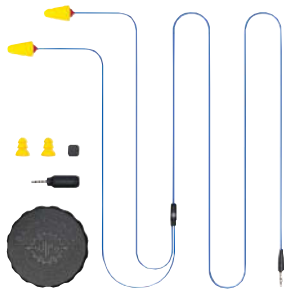
PLUGFONES™ Liberate features interchangeable safety-rated earplug tips with 29 NRR SoundSeal Noise-Suppressing Technology, which acts as a barrier between you and everything you don't want to hear.

- Bluetooth 5.1 wireless technology, NeverOut battery with up to 12 hours of play, and fast charge technology
- Built-in IsoTalk noise isolating mic identifies and silences environmental noise
- Flexible adjustable stay-in-place collar
- Quickdraw easy access control with functions to play or pause, answer or end calls, adjust volume and progress through songs
- Tuned speaker
- Sweat-resistant
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria
- 34 in. long and weighs 0.6 oz.

Contents: (1) Pair of Earbuds, (2) Pair of Interchangeable ComforTiered Silicone Plugs, (2) Pair of Interchangeable ComforTwist Foam Plugs, (1) Nylon Zipper Case, (1) USB to Micro USB Charging Cable, (1) Cable Management Clip, (1) Quick Start Guide

Part No.	Description
NSE **PL-UY**	Blue/Yellow
NSE **PL-BB**	Black/Black

NAPA SAFETY EARPLUGS WITH AUDIO- OSHA COMPLIANT



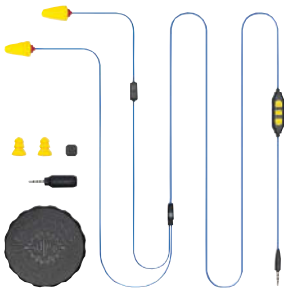
PLUGFONES™ Protector VL Volume Limiting Decibel Output features interchangeable safety-rated earplug tips with 29 NRR SoundSeal Noise-Suppressing Technology, which acts as a barrier between you and everything you don't want to hear.

- WorkSafe VL OSHA Compliant Max output 82 db
- Tear-Resistant TuffCord
- Double-reinforced jack
- Tuned speaker
- Sweat-resistant
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria
- Meets OSHA max volume guidelines
- 54 in. long and weighs 0.35 oz.
- Waterproof case

Contents: (1) Pair of Earbuds, (1) Pair of Interchangeable ComforTiered Silicone Plugs, (1) Pair of Interchangeable ComforTwist Foam Plugs, (1) Waterproof Case, (1) Cable Management Clip, (1) Stereo-To-Mono Adapter, (1) Quick Start Guide

Part No.	Description
NSE **PIP-UY**	Blue/Yellow
NSE **PIP-BR**	Black/Red
NSE **PIP-BE**	Black/Green

NAPA SAFETY EARPLUGS WITH AUDIO & MIC - OSHA COMPLIANT



PLUGFONES™ Protector Plus VL Volume Limiting Decibel Output features interchangeable safety-rated earplug tips with 29 NRR SoundSeal Noise-Suppressing Technology, which acts as a barrier between you and everything you don't want to hear.

- WorkSafe VL OSHA Compliant Max output 82 db
- Built-in IsoTalk noise isolating mic identifies and silences environmental noise
- Quickdraw easy access control with functions to play or pause, answer or end calls, adjust volume and progress through songs
- Tear-Resistant TuffCord and double-reinforced jack
- Tuned speaker and sweat-resistant
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria
- Meets OSHA max volume guidelines
- 54 in. long and weighs 0.5 oz.
- Waterproof case

Part No.	Description
NSE **PIPP-UY**	Blue/Yellow
NSE **PIPP-BR**	Black/Red
NSE **PIPP-BE**	Black/Green

NAPA SAFETY BLUETOOTH EARPLUGS WITH AUDIO - INDUSTRIAL OSHA COMPLIANT

PLUGFONES™ FreeReign VL Volume Limiting Decibel Output features interchangeable safety-rated earplug tips with 29 NRR SoundSeal Noise-Suppressing Technology, which acts as a barrier between you and everything you don't want to hear.

- WorkSafe VL OSHA Compliant Max output 82 db
- Bluetooth wireless technology, NeverOut battery with up to 12 hours of play, and fast charge technology
- Built-in IsoTalk noise isolating mic identifies and silences environmental noise
- Flexible adjustable stay-in-place collar
- Quickdraw easy access control with functions to play or pause, answer or end calls, adjust volume and progress through songs
- Tear-Resistant TuffCord, tuned speaker, and sweat-resistant
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria
- Meets OSHA max volume guidelines
- 34 in. long and weighs 0.6 oz.

Part No.	Description
NSE **PIF-UY**	Blue/Yellow
NSE **PIF-BE**	Black/Green

REPLACEMENT FOAM PLUGFONES™ 29 NRR EARPLUG'S

- Plugfones ComforTwist Foam Replacement Plugs feature SoundSeal Noise-Suppressing Technology that acts as a barrier between you and everything you don't want to hear.
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria when used as directed with compatible Plugfones products
- 5 Pairs (10 total)

Part No.	Description
NSE **PRP-FY10**	Yellow
NSE **PRP-FO10**	Orange
NSE **PRP-FB10**	Black

REPLACEMENT SILICONE PLUGFONES™ 27 NRR EARPLUGS

- Plugfones ComforTiered Silicone Replacement Plugs feature Sound-Seal Noise-Suppressing Technology that acts as a barrier between you and everything you don't want to hear.
- Independently tested and compliant with ANSI S3.19-1974 noise reduction standards and NIOSH criteria when used as directed with compatible Plugfones products
- 5 Pairs (10 total)

Part No.	Description
NSE **PRP-SY10**	Yellow
NSE **PRP-SO10**	Orange
NSE **PRP-SB10**	Black

PRE-SHAPED SUPER-SOFT FOAM EAR PLUGS

NRR30 Noise Reduction Rating

- Foam ear plugs are effective, comfortable, and inexpensive, making them ideal for most noise protection applications
- NRR30

Item No.	Description	Pkg. Qty.
NSE **370-050**	Uncorded	200 Pairs Per Box
NSE **370-051**	Corded	200 Pairs Per Box
NSE **370-054**	Uncorded	3 Pairs

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LIGHTWEIGHT BANDED EAR PLUGS

NRR20 Noise Reduction Rating

- Foam ear plugs are effective, comfortable, and inexpensive
- Ideal for most noise protection applications
- Reusable
- NRR20

Item No.	Description	Pkg. Qty.
NSE **370-052**	Banded Ear Plugs	1
NSE **370-053**	Replacement Pods	200 Per Box (Sold in Pairs)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CORDED TPR (THERMOPLASTIC RUBBER) EAR PLUGS

NRR25 Noise Reduction Rating

- Triple mushroom design offers excellent protection against harmful noises
- Ideal for the factory floor or as a general purpose ear protection
- NRR25

NSE **370-055** 1 Pair

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

impact MOLDEX DUAL MODE EAR PLUGS

NRR24 Noise Reduction Rating

NRR12 Noise Reduction Rating

- Dual Mode Protection
- Closed Cap for continuous steady noise and impulse noise protection: NRR 24 dB,
- Open cap to hear commands and for loud blasts: NRR 12 dB
- Comes with 1 pair of earplugs, 1 pocket-Pak, 1 chain and 1 cord

Item No.	Size
NSE **370-000**	Medium
NSE **370-001**	Large

LOW PROFILE COMPACT FOLDABLE EARMUFF

NRR25
Noise Reduction Rating

- Compact foldable low profile headband style hearing protection
- Soft foam-filled cushion
- NRR25

NSE **370-902**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CLASSIC EARMUFF

NRR23
Noise Reduction Rating

- Adjustable three position headband style hearing protection
- Over-ear-design
- Lightweight and comfortable
- NRR23

NSE **370-900**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

STANDARD EARMUFF

NRR23
Noise Reduction Rating

- Compact three position headband hearing protection
- One size fits all
- Over-ear-design
- Lightweight and comfortable
- NRR23

NSE **370-901**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NSE **350-131**

NSE **350-133**

NSE **350-135**

NSE **350-136**

WRAP-AROUND SAFETY GLASSES

- Full frame safety glasses with high-impact polycarbonate lenses
- Scratch-resistant and anti-fog coating on lens
- Wrap-around Design
- Non-slip temples
- Non-slip rubber nose piece
- 99.9% UV protection
- Meets current ANSI Z87.1 standard

Item No.	Frame Color	Lens Color
NSE **350-131**	Gold	Shade
NSE **350-132**	Gold	REVO Red Mirror
NSE **350-133**	Silver	Clear
NSE **350-135**	Silver	Ice Blue
NSE **350-136**	Black	Clear
NSE **350-137**	Black	Shade

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NSE **350-072**

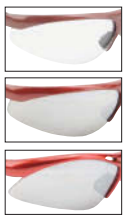
NSE **350-076**

NSE **350-080**

NSE **350-084**

SPORT STYLE SAFETY GLASSES

- Provides a more modern look with premium protection
- Multiple color combinations available
- High-impact polycarbonate, scratch-resistant, and anti-fog coated lenses
- Wrap-around design
- Non-slip rubber nose piece
- Non-slip temples
- 99.9% UV protection
- Meets current ANSI Z87.1+ standard



Item No.	Frame Color	Lens Color
NSE **350-072**	Red	Clear
NSE **350-073**	Red	Shade
NSE **350-074**	Red	Smoke Mirror
NSE **350-075**	Gray	Clear
NSE **350-076**	Gray	Shade
NSE **350-077**	Gray	Smoke Mirror
NSE **350-078**	Black	Clear
NSE **350-079**	Black	Shade
NSE **350-080**	Black	Smoke Mirror
NSE **350-084**	Blue	Clear
NSE **350-085**	Blue	Shade
NSE **350-086**	Blue	Smoke Mirror

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NSE **350-091**

NSE **350-100**

NSE **350-108**

SPORT STYLE SAFETY GLASSES

- Sport style Safety Glasses provide a more modern look with premium protection
- Multiple color combinations available
- High-impact polycarbonate, scratch-resistant, and anti-Fog coated lenses
- Wrap-around design with non-slip temples and rubber nose piece
- 99.9% UV protection
- Meets current ANSI Z87.1+ standard

Item No.	Frame Color	Lens Color
NSE **350-090**	Red	Clear
NSE **350-091**	Red	Shade
NSE **350-092**	Red	Indoor / Outdoor Mirror
NSE **350-093**	Red	Silver Mirror (Smoke Mirror)
NSE **350-094**	Silver	Clear
NSE **350-098**	Silver	Blue
NSE **350-099**	Black	Clear
NSE **350-100**	Black	Shade
NSE **350-101**	Black	Indoor / Outdoor Mirror
NSE **350-102**	Black	Silver Mirror (Smoke Mirror)
NSE **350-103**	Black	Yellow
NSE **350-104**	Blue	Clear
NSE **350-105**	Blue	Shade
NSE **350-108**	Gunmetal	REVO Blue Mirror

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WRAP-AROUND FRAME SAFETY GLASSES

- Complete protection and comfort
- Impact-Resistant with anti-fog and scratch resistant coatings on lenses
- Full Frame with Wide Temple Arms
- Foam Padding for Nose Pieces, Brow Guard, and around Lenses
- 99.9% UV protection
- Meets ANSI Z87.1-2010 standard

Item No.	Frame Color	Lens Color
NSE **350-120**	Black Frame	Clear
NSE **350-121**	Black Frame	Shade
NSE **350-122**	Black Frame	Mirror

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CAMO FRAME SAFETY GLASSES

- Full Frame, Camo, Safety Glasses with impact-resistant lenses
- Anti-fog and scratch resistant coating
- Full Frame with Wide Temple Arms
- Foam Padding for Nose Pieces, Brow Guard and around Lenses
- 99.9% UV Protection
- Meets ANSI Z87.1-2010 Standard

Item No.	Frame Color	Lens Color
NSE **350-123**	Camo	Smoke

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARBON FIBER FRAME SAFETY GLASSES

- High-impact polycarbonate Scratch-resistant and Anti-Fog Coated lenses
- 99.9% UV Protection
- Meets current ANSI 87.1 standard

Item No.	Frame Color	Lens Color
NSE **350-138**	Carbon Fiber	Clear
NSE **350-238**	Carbon Fiber	Smoke

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

RATCHET INCLINATION SAFETY GLASSES

- These modern, sport-styled Safety Glasses look good while providing optimal protection
- High-impact polycarbonate, anti-fog coated and scratch-resistant lenses
- Adjustable temple to fit a variety of face sizes
- Ribbed non-slip nose cushion
- 99.9% UV Protection

Item No.	Frame Color	Lens Color
NSE **350-024**	Black Frame	Clear
NSE **350-124**	Black Frame	Shade
NSE **350-125**	Black Frame	Yellow
NSE **350-130**	Black Frame	Indoor / Outdoor Mirror

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Eye Protection

READER SAFETY GLASSES

- Allow you to easily move from reading to work while providing eye protection
- Diopler Lenses have 5 magnification strengths
- Adjustable temples
- Soft non-slip nose bridge
- Ratchet inclination
- Meets current ANSI 87.1 Standard

Item No.	Description
NSE **350-109**	Diopter Lens with 1.0x Magnification
NSE **350-110**	Diopter Lens with 1.5x Magnification
NSE **350-111**	Diopter Lens with 2.0x Magnification
NSE **350-112**	Diopter Lens with 2.5x Magnification
NSE **350-113**	Diopter Lens with 3.0x Magnification

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TRADITIONAL SAFETY GLASSES

- Provides increased field of vision and premium protection
- Impact and scratch-resistant polycarbonate lenses
- Adjustable temples for excellent fit
- Molded-in side shields
- 99.9% UV protection
- Meets current ANSI Z87.1 Standard

Item No.	Frame Color	Lens Color
NSE **350-056**	Black	Clear
NSE **350-116**	Red	Clear

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LIGHTWEIGHT SAFETY GLASSES

- Lightweight high-impact polycarbonate
- Scratch-resistant and anti-fog coating lenses
- Single wrap-around lens design
- 99.9% UV protection
- Meets current ANSI Z87.1+ Standard

Item No.	Lens and Temple Color
NSE **350-062**	Clear – Black
NSE **350-063**	Yellow – Black
NSE **350-064**	Orange – Black
NSE **350-065**	Gray – Black
NSE **350-066**	Gold Mirror – Black
NSE **350-067**	Indoor / Outdoor Mirror – Black

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WRAP-AROUND LIGHTWEIGHT SAFETY GLASSES

- Lightweight safety glasses with wrap-around lenses protects against debris from multiple angles
- High-impact polycarbonate scratch-resistant lenses
- Single lens design
- 99.9% UV protection
- Meets current ANSI Z87.1 standard

Item No.	Description
NSE **350-057**	Clear Frame
NSE **350-058**	Gray Frame
NSE **350-059**	Yellow Frame
NSE **350-060**	Blue Frame
NSE **350-061**	Indoor / Outdoor Mirror

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

KLEENGUARD

NEMESIS SAFETY GLASSES

KleenGuard™ Nemesis Safety Eyewear's stylish good looks and durable, lightweight construction are just some of the reasons why millions of people wear them for protection both at work and at home.

- Polycarbonate lenses provide 99.9% UVA/UVB/UVC protection to help prevent eye damage like cataracts, retinal damage and other conditions that can cause temporary vision loss
- Wraparound frame has a base curve of 8 that extends the range of peripheral protection, as well as soft touch temples for comfort
- Patented nose piece is designed to be extremely flexible, to channel sweat away from the eyes and to help prevent slippage down the nose
- Every pair includes a neck cord for reduced risk of damage when not being worn

Item No.	Frame Color	Lens Color
NSE **25676**	Black	Clear
NSE **25679**	Black	Anti-Fog
NSE **25685**	Black	Indoor/Outdoor
NSE **25688**	Black	Smoke Mirror

STRYKER

FORCEFLEX ANTI-FOG SAFETY EYEWEAR

These lightweight and stylish glasses provide all-day comfort and outstanding impact protection. Plus, the flexible and ergonomic design fits almost any face.

- Distortion-free optics
- Adjustable nose piece
- Exceeds Mil PRF-31013 Ballistic standards
- Plastic frame/Polycarbonate lenses

Item No.	Description
NSE **FF-455**	Black frame/Smoke lenses
NSE **FF-456**	Black frame/Clear lenses
NSE **FF-476**	Black & Blue frame/Clear lenses

⚠ **WARNING: This product can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.x**

FORCEFLEX ANTI-FOG SAFETY EYEWEAR WITH FOAM DUST GASKET

These lightweight and stylish glasses provide all-day comfort and outstanding impact protection. Plus, the flexible and ergonomic design fits almost any face.

- Distortion-free optics
- Adjustable nose piece
- Foam gasket to protect against dust
- Exceeds Mil PRF-31013 Ballistic standards

Item No.	Description
NSE **FF-455F**	Black frame/Smoke lenses
NSE **FF-465F**	Black & Red frame/Smoke lenses
NSE **FF-456F**	Black frame/Clear lenses
NSE **FF-466F**	Black & Red frame/Clear lenses

⚠ **WARNING: This product can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SHADE 5 SAFETY GLASSES

- IR5 lenses are ideal for light to medium cutting, torch brazing, and light glass welding
- Wrap-around lens

Item No.	Color	Lens Color
NSE **350-068**	Black	Shade 5

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

OVER-PRESCRIPTION SAFETY GLASSES

- Ideal for visitors and customers to your workplace
- Fits over most prescription eye glasses
- Impact-resistant polycarbonate lens
- Scratch-resistant
- 99.9% UV protection
- Meets current ANSI 87.1 standard

NSE **350-054**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

LED LIGHTED SAFETY GLASSES

#1 Rated safety glasses with ultra-bright LED's hidden in the temples to protect your eyes and light-up your work area at the same time! Provides hand-free direct lighting that is great for any project or workplace.

- 2 LED patented technology built right into the frames
- 4 long life coin CR-1632 lithium batteries included
- Very lightweight
- 24 lumens of light output
- 10+ hours battery life
- Black

NSE **350-048**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAFETY GLASSES LANYARD

- Lanyard easily attaches to virtually any pair of eye or safety glasses allowing you to always keep them within arms reach
- Made of durable polyester the lanyard is comfortable and effortless to wear
- Adjustable bead for perfect fit
- Glasses NOT Included

NSE **350-055**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HYBRID SAFETY GLASSES/ GOGGLES

- Used for areas where protection against dust and debris is needed
- They convert into a tight sealing goggle by simply swapping the arms with the included headband
- Ventilated for added comfort
- Anti-Fog coating on lens
- Adjustable elastic headband

Item No.	Lens Shade
NSE **350-051**	Clear

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DELUXE OVERSPRAY SAFETY GOGGLES

- Designed with Anti-Splash to prevent liquids from getting in to eyes while still providing ventilation
- Sport style design with wide elastic headstrap
- Impact-resistant polycarbonate lenses
- Flexible PVC Construction
- Anti-fog coating
- 99.9% UV Protection
- Meets current ANSI Z87.1 standard

NSE **350-052**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SPLASH SAFETY GOGGLES

- Impact-resistant polycarbonate lenses
- Flexible PVC construction
- Elastic headstrap
- 99.9% UV Protection
- Meets current ANSI 87.1 standard

NSE **350-050**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Eye Protection

CHEMICAL SPLASH SAFETY GOGGLES

- Chemical-Splash Goggles with impact-resistant polycarbonate lenses
- Designed to prevent chemical splashes in to eyes while still providing ventilation
- Flexible PVC Construction for added comfort
- Elastic headstrap
- 99.9% UV Protection
- Meets current ANSI 87.1 standard

NSE **350-053**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAFETY GLASSES

Specially designed, OSHA-approved safety glasses have coated plastic lenses to help prevent scratches. Top and side shields assist in preventing eye injury to the wearer.

CAUTION: Will not protect against ultraviolet radiation or weld flash.

SER **3275**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SAFETY GOGGLES

Goggles protect eyes from chemical splashes.

CAUTION: Not impact-resistant. For chemical and anti-splash protection only.

SER **2054**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PETG HEADGEAR & FACE SHIELD COMBO KIT

- Offers head and face splash protection from flying objects and debris
- Durable nylon for headpiece and precision-molded PETG polymer faceshield
- Ratcheting size adjustment for secure fit
- Hinge-action face shield allows user to lift shield while wearing
- Universal faceshield slots
- Blocks 99% of UV Rays
- Face shield size 8" x 15", .040" thick and 6.28" crown width
- Meets ANSI standards and OSHA Compliant

Item No.	Description
NSE **350-204**	Headgear & Faceshield Combo – Clear Lens
NSE **350-205**	Headgear & Faceshield Combo – Green Lens
NSE **350-206**	Replacement Shield for *NSE* **350-204** – Clear Lens
NSE **350-207**	Replacement Shield for *NSE* **350-205** – Green Lens

HEADGEAR & FACE SHIELD COMBO KIT

- High-Impact polycarbonate lens
- Pre-injected curved lens
- Ratcheting adjustable headpiece
- **NOT for welding**
- Meets current ANSI 87.1 standard

Item No.	Description
NSE **350-200**	Headgear & Faceshield Combo – Clear Lens
NSE **350-201**	Headgear & Faceshield Combo – Green Lens
NSE **350-202**	Replacement Shield for *NSE* **350-200** – Clear Lens
NSE **350-203**	Replacement Shield for *NSE* **350-201** – Green Lens

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FACETEC CROWN WITH RATCHET SUSPENSION

- CSA, ANSI
- Eye/Face protection
- Comfortable complete coverage for the face and neck is available with this double crown faceshield – molded from high-strength polycarbonate it is made to withstand rugged use – adjusting ratchet-style suspension and leatherette sweatband provide a comfortable fit against the wearers head
- High-strength translucent polycarbonate offers complete field of periphery vision
- Ratchet suspension and comfortable headband to ensure all-day worker comfort
- Wide variety of replacement visors to suit any application
- Translucent
- Polycarbonate

NSE **12F483000**

FACETEC POLYCARBONATE VISORS

- CSA, ANSI
- Eye/face protection
- 7" x 16¾", .040"
- Polycarbonate
- Flat

NSE **12F494700US** Clear
NSE **12F494721US** Green

FACETEC POLYESTER VISOR

- CSA. ANSI
- Eye/Face Protection
- 7" x 16¾", .040"
- Clear
- Polyester

NSE **12F494800US**

ProGuard impact

PROGUARD DISPOSABLE LENS CLEANING WIPES

- Convenient portable wipes
- Clean eyewear, computer screens and other surfaces exposed to sweat, finger prints, grease and grime

Dispenser box of 100

NSE **380-006**

Honeywell

FENDALL™ PORTA STREAM III EYEWASH STATION WITH WATER ADDITIVE

- Fendall Porta Stream's simplicity of installation and operation make it a popular choice in businesses across the country
- Offers versatile portability and 15-minutes of uninterrupted flushing and without requiring costly plumbing
- ANSI Z358.1 certified
- Size 19¾" L x 24" H x 19" D

16 gal Capacity

Item No.	Description
NSE **350-901**	Eyewash Wall Station
NSE **350-903**	Inspection Tag
NSE **350-902**	8 oz. Water Additive, contains 8 oz of concentrated additive for 5-20 gallons of eyewash

impact

DOUBLE EYE & FACE WASH WALL STATION

- Durable plastic station provides initial flushing for alkali and acid splash
- (2) 16 oz. saline solution bottles
- Wide mouth bottles
- Safety sealed and dated
- Meets ANSI Z358.1-2004 (Personal Eye Wash)

Size: 11" W x 13" H x 4" D.

NSE **350-909** Eyewash Wall Station
NSE **350-900** Replacement 16 oz. saline solution bottle

NAPA

NON-TOXIC DUST DISPOSABLE MASKS

- Non-Toxic Dust Mask to protect against the effects of pollen, dust, and other non-harmful irritants
- High quality construction performs well even in high humidity
- Easy to wear with safety glasses or goggles

NSE **380-000** Box of 50
NSE **380-001** Pack of 5

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAPA

N95 PARTICULATE DISPOSABLE RESPIRATOR SAFETY MASKS

- Disposable Particulate Respirator to protect against non-oil based particles
- Adjustable nosepiece and two-strap design provides a secure seal
- Easy to wear with safety glasses or goggles
- One-size fits all

NIOSH-Approved

NSE **380-002** Box of 20

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NAPA

N95 DUST/MIST DISPOSABLE RESPIRATOR MASKS WITH VALVE

- Disposable Particulate Valved Respirator protects against non-oil based particles
- Adjustable nosepiece and two strap design provides a secure seal
- Valve reduces heat build up inside of the respirator
- Easy to wear with safety glasses or goggles
- NIOSH-Approved

NSE **380-007** 2 Pack
NSE **380-003** Box of 10

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SOFTSEAL

N-95 RESPIRATORS

- Silicone seal
- 4-Point headstrap
- Reduces eye glass fogging
- Flame and fluid penetration resistant
- Cooltech valve reduces heat and humidity
- Meets CDC guidelines for TB exposure control
- Silicone seal for maximum comfort and protection
- Stays sealed while you work so you can breathe and speak

Part No.	Description
NSE **16-90082**	XL 10 Pack
NSE **16-90001**	XL Single Pack
NSE **16-90083**	L 10 Pack
NSE **16-90004**	L Single Pack
NSE **16-90084**	M 10 Pack
NSE **16-90007**	M Single Pack

MightyMask

3D QUILTED N-95 RESPIRATOR WITH VALVE

- Cooltech valve
- Personal comfort
- Soft fabric to face
- Adjustable headstraps
- Dual adjustable nose bridges
- Flame and fluid penetration resistant
- Ultrasonically welded straps, no staples
- One size fits most

NSE **16-90175**

Respiratory Protection

SOFTSEAL®

N-95 RESPIRATORS

- Silicone seal
- Dual head strap
- Reduces eye glass fogging
- Flame and fluid penetration resistant
- Cooltech valve reduces heat and humidity
- Meets CDC guidelines for TB exposure control
- Silicone seal for maximum comfort and protection
- Stays sealed while you work so you can breathe and speak
- Pack of 3

Part No.	Description
NSE **16-90086**	Large
NSE **16-90087**	Medium
NSE **16-90088**	Small

SOFTSEAL®

V-FOLD CHARCOAL N-95 RESPIRATOR

- Silicone seal
- Cooltech valve
- Adjustable headstraps
- Charcoal layer for reduction of odor
- Flame and fluid penetration resistant
- Ultrasonically welded straps, no staples
- Pack of 3

NSE **16-90177**

PROFESSIONAL MULTI-PURPOSE HALF MASK RESPIRATOR

- High quality silicone face piece designed for maximum comfort and secure fit
- Multi-use dual cartridge respirator
- Adjust cartridges in three different positions

Item No.	Size	NIOSH Approved
NSE **380-900**	Medium	TC-84A-1427 (OV & N95)
NSE **380-901**	Medium	TC-84A-1805 (OV & N95/R95)
NSE **380-902**	Large	TC-84A-1427 (OV & N95)

PROFESSIONAL MULTI-PURPOSE HALF MASK RESPIRATOR

- Durable thermoplastic face piece design
- Large sealing surface for excellent fit
- Multi-use dual cartridge respirator
- Universal nose fit
- Advanced yoke design for a secure comfortable no-slip fit

Item No.	Size	NIOSH Approved
NSE **380-907**	Medium / Large	TC-84A-1239 (P100)
NSE **380-908**	Medium / Large	TC-84A-1427 (OV & N95)
NSE **380-909**	Medium / Large	TC-84A-1805 (OV & N95/R95)

RESPIRATOR-FILTER COMPATIBILITY SELECTOR

		NAPA Safety Professional Multi-Purpose Half Mask Respirators	NAPA Safety Professional Multi-Purpose Half Mask Respirators	NAPA Safety Professional Multi-Purpose Half Mask Respirators	North 5500™ Half Mask Respirator	North 7600™ Half Mask Respirator	For Use With: (www.OSHA.gov)
Respirator Item No.:	—	*NSE* **380-900** *NSE* **380-902** *NSE* **380-908**	*NSE* **380-901** *NSE* **380-909**	*NSE* **380-907**	*NSE* **380-912**	*NSE* **380-913**	—
Respirator NIOSH Approval:	—	Varies	Varies	Varies	Varies	Varies	—
Cartridges/ Filters Included?	—						—
Cartridges Sold Separately?	—	—	—	—			—
Replacement Cartridges & Filters for NAPA Safety Masks:							
NSE **380-400**	Purple Cartridge				—	—	Oil & Non-oil Particulates
NSE **380-201**	Purple Cartridge				—	—	Oil & Non-oil Particulates
NSE **380-202**	Black Cartridge				—	—	Organic Vapors
NSE **380-203**	Black Cartridge				—	—	Organic Vapors
NSE **380-403**	R95 Filter Pads				—	—	Oil-based Particulates
NSE **380-401**	N95 Particulate Filters				—	—	Non-oil based Particulates

P100 FILTER CARTRIDGE COMBO PACK

- Efficient against particulate aerosols containing oil-based particulates
- Do not exceed maximum-use concentrations established by regulatory standards
- Use around Welding and Brake Dust
- Suitable for Lead Dust, Toxic Dust, Mists and Fumes
- For use with: *NSE* **380-900**, *NSE* **380-901**, *NSE* **380-902**, *NSE* **380-907**, *NSE* **380-908**, and *NSE* **380-909**

NSE **380-400** 1 Pair
NSE **380-201** Box of 6

ORGANIC VAPORS CARTRIDGE

- Approved for use against organic vapors
- Do not exceed maximum-use concentrations established by regulatory standards
- For use with: *NSE* **380-900**, *NSE* **380-901**, *NSE* **380-902**, *NSE* **380-907**, *NSE* **380-908**, and *NSE* **380-909**

NSE **380-202** Box of 6

OV/R95 ORGANIC VAPORS FILTER CARTRIDGES COMBO

- OV/R95 cartridges filter oil & non-oil particulates
- Approved for use against organic vapors
- Do not exceed maximum-use concentrations established by regulatory standards
- Time use restrictions may apply
- For use with: *NSE* **380-900**, *NSE* **380-901**, *NSE* **380-902**, *NSE* **380-907**, *NSE* **380-908**, and *NSE* **380-909**

NSE **380-203** 1 Pair

N95 PARTICULATE FILTERS

- 95% efficient against particulate aerosols free of oil
- Do not exceed maximum-use concentration established by regulatory standards
- For use with: *NSE* **380-900**, *NSE* **380-901**, *NSE* **380-902**, *NSE* **380-907**, *NSE* **380-908**, and *NSE* **380-909**

NSE **380-401** Box of 16

R95 FILTER PADS

- 95% efficient against particulate aerosols oil and non-oil based
- Do not exceed maximum-use con centration established by regulatory standards
- Time use restrictions may apply
- For use with: *NSE* **380-900**, *NSE* **380-901**, *NSE* **380-902**, *NSE* **380-907**, *NSE* **380-908**, and *NSE* **380-909**

NSE **380-403** Box of 16

AIR OV/N95 RESPIRATORS

Air OV/N95 Respirator with 100 series silicone mask respirator kit with non-oil particulate aerosols filters.

- NIOSH
- APF 10
- OSHA silica dust compliant
- Organic Vapors and N95 Non-Oil Particulate Aerosols
- Molded from pure silicon rubber material with no extra additives – the most comfortable, quickest to clean up and durability provides long service life
- Facepiece low profile design fits under most grinding and welding helmets – also provides extended field of vision
- Large inhalation valves (size of quarter) allows for maximum inhalation – this allows the user to inhale a larger volume of air per breath, reducing breathing resistance while increasing user comfort and productivity
- Exhalation valve strategically positioned under the nostrils and in front of the mouth, ensures hot exhale air exits the mask immediately – this improves user comfort while improving productivity
- Exhalation valve diaphragm has channels that act like a parachute – traps exhaled air and lifts diaphragm off the valve seat with very little effort, this creates more space for air to exit the mark, reducing heat build-up inside the mask
- Extra-large face seal surface provides superior comfort and improves fitting capabilities – does not require user to adjust straps excessively tight; fits a wider variety of facial features more comfortably

NSE **1-S-20DN5ZAM** Small
NSE **1-M-20DN5ZAM** Medium
NSE **1-L-20DN5ZAM** Large

N95 COMPLETE MASKS

- NIOSH
- APF 10
- OSHA Silica dust compliant
- N95 Non-oil base particulate aerosols
- Molded from elastomeric rubber provides comfort and durability – Low-maintenance/ limited use 400 series can be used up to 30 times – fits over 99.9% of wearers
- Facepiece low profile design fits under most grinding and welding helmets – also provides extended field of vision
- Large inhalation valves (size of a quarter) allows for maximum inhalation – this allows the user to inhale a larger volume of air per breath, reducing breathing resistance while increasing user comfort and productivity
- Exhalation valve is strategically positioned under the nostrils and in front of the mouth ensures hot, exhale air exits the mask immediately – this improves user comfort while improving productivity
- Exhalation valve diaphragm has channels that act like a parachute – traps exhaled air and lifts diaphragm off the valve seat with very little effort – this creates more space for air to exit the mask, reducing heat build-up inside of the mask, improves user comfort and productivity
- Rolled sealing flange provides superior comfort and improves fitting capabilities – does not require user to adjust straps excessively tight
- Adjustable head band

NSE **4-ML-DN5Z**
NSE **4-SM-DN5Z**

OV/R95 RESPIRATORS

OV/R95 complete, silicone rubber; suitable for lacquer and enamel paints, pesticides, welding, dusts, oil-based particulate aerosols up to 8 hours.

- NIOSH
- APF 10
- OSHA silica dust compliant
- Organic vapors and R95 oil and non-oil particulate aerosols
- Molded from pure silicon rubber material with no extra additives – the most comfortable, quickest to clean up and durability provides long service life
- Featuring series 100 half-mask made from pure silicon material with no extra additives – the most comfortable, quickest to clean up and durable masks provides a long service life and superior comfort
- Facepiece low profile design fits under most grinding and welding helmets – also provides extended field of vision
- Large inhalation valves (size of a quarter) allows for maximum inhalation – this allows the user to inhale a larger volume of air per breath, reducing breathing resistance while increasing user comfort and productivity
- Exhalation valve strategically positioned under the nostrils and in front of the mouth, ensures hot exhale air exits the mask immediately – this improves user comfort while improving productivity
- "Saf-Twist" design quickly attaches the cartridge to any Dentec Safety half-mask or full face air-purifying respirator facepiece – the offset connector improves visibility and allows face shields or welding helmets to be worn without interference

NSE **1-S-20DR5ZAM** Small
NSE **1-M-20DR5ZAM** Medium
NSE **1-L-20DR5ZAM** Large

OV/R95 ELASTOMERIC MASK

OV/R95 Complete, Elastomeric; suitable for lacquer and enamel paints, pesticides, welding, dusts, oil-based particulate aerosols up to 8 hours. Display bag.

- NIOSH
- APF 10
- OSHA silica dust compliant
- Organic vapors and R95 oil and non-oil particulate aerosols
- Molded from elastomeric rubber, provides comfort and durability – Low maintenance/limited use 400 series can be used up to 30 times and fits over 99.9% of wearers
- Featuring series 400 half-mask made from elastomeric rubber material – provides excellent comfort and value
- Facepiece low profile design fits under most grinding and welding helmets – also provides extended field of vision
- Large inhalation valves (size of a quarter), allows for maximum inhalation – this allows the user to inhale a large volume of air per breath, reducing breathing resistance while increasing user comfort and productivity
- Exhalation valve strategically positioned under the nostrils and in front of the mouth, ensuring hot exhale air exits the mask immediately – this improves under comfort while improving productivity
- "Saf-Twist" design quickly attaches the cartridge to any Dentec Safety half-mask or full face air-purifying respirator facepiece – the offset connector improves visibility and allows face shields or welding helmets to be worn without interference

NSE **4-SM-20DR5ZAM** Small
NSE **4-ML-20DR5ZAM** Medium

N95 COMPLETE FILTER ASSEMBLIES

- NIOSH
- APF 10
- OSHA silica dust compliant
- N95 Non-oil base particulate aerosols
- Molded from pure silicon rubber material with no extra additives – The most comfortable, quickest to clean up and durability provides long service life
- Facepiece has a low-profile design that fits under most grinding and welding helmets – also provides extended field of vision
- Large inhalation valves (size of a quarter) allows for maximum inhalation – this allows the user to inhale a larger volume of air per breath, reducing breathing resistance while increasing user comfort and productivity
- Exhalation valve strategically positioned under the nostrils and in front of the mouth ensures hot exhale air exits the mask immediately – This improves user comfort while improving productivity
- Exhalation valve diaphragm has channels that act like a parachute – it traps exhaled air and lifts diaphragm off the valve seat with very little effort – this creates more space for air to exit the mask, reducing heat build-up inside the mask and improves user comfort and productivity
- Extra-large face seal surface provides superior comfort and improves fitting capabilities – does not require user to adjust straps excessively tight – fits a wider variety of facial features more comfortably

NSE **1-S-DN5** Small
NSE **1-M-DN5** Medium
NSE **1-L-DN5** Large

COMFORT-AIR FULL FACEPIECE MASK

Comfort-air full facepiece mask special composite silicon rubber with inner mask – with OV/95.

- NIOSH
- APF 50
- OSHA silica dust compliant
- Molded from pure special compression silicon rubber material with no extra additives – the most comfortable, quickest to clean and durability provides long service life
- Large panoramic anti-scratch, anti-fog treated polycarbonate lens provides extended field of vision and is impact resistant
- Large inhalation valves (size of a quarter) allows for maximum inhalation – this allows the user to inhale a larger volume of air per breath reducing breathing resistance while increasing user comfort and productivity
- Metal speech diaphragm allows for communication
- 5-Point quick-release buckles allows the user to quickly and easily don and doff the respirator
- "Saf-Twist" design quickly attaches the cartridge to any Dentec Safety half-mask or full face air-purifying respirator facepiece

NSE **130-M-20DN5**

DENTEC SAFETY SPECIALISTS

COMFORT-AIR FULL FACEPIECE MASK

Comfort-air full facepiece mask special composite silicon rubber with inner mask.

- NIOSH
- APF 50
- OSHA silica dust compliant when used with a N95, 95, P100 filter
- Molded from pure special compression silicon rubber material with no extra additives – the most comfortable, quickest to clean up and durability provides long service life
- Large panoramic anti-scratch, anti-fog treated polycarbonate lens provides extended field of vision and is impact resistant
- Large inhalation valves (size of a quarter) allows for maximum inhalation – this allows the user to inhale a larger volume of air per breath reducing breathing resistance while increasing user comfort and productivity
- Metal speech diaphragm allows for communication
- 5-Point quick-release buckles allows the user to quickly and easily don and doff the respirator
- "Saf-Twist" design quickly attaches the cartridge to any Dentec Safety half-mask or full face air-purifying respirator facepiece

NSE **130-M-00**

P100 DISKIT PARTICULATE FILTERS

P100 DISKIT Particulate filter for oil and non-oil particulate aerosols

- APF 10 with a half mask, APF 50 with a full face
- OSHA silica dust compliant
- P100 Oil and non-oil based particulate aerosols and COVID virus
- Ultra-light construction and less than ¼" think. Unique space plenums allows user to access the entire filter material reducing breathing resistance, providing longer cartridge life, reducing costs and improving productivity. Offset connector allows user to rotate the Diskit into 3 different positions
- Ultra-light construction and less than ¼" thick will fit under any grinding shield or welding helmet – will not obstruct vision like competitive pancake filters
- Unique space plenums allows user to access the entire filter material reducing breathing resistance, providing longer cartridge life, reducing costs and improving productivity
- Offset connector allows user to rotate the Diskit into 3 different positions
- Ridged internal frame provides durability and allows user to remove or attach the Diskit to any of the Dentec Safety respirators when when wearing gloves

NSE **DISKITP100**

N95 FILTER PADS

- NIOSH
- APF 10
- OSHA silica dust compliant
- N95 Non- oil base particulate aerosols & COVID virus
- N95 filter is ultra-thin and can be used as a pre-filter with other cartridges according to respirator hazard or be used on its own for the appropriate hazard
- Ultra-thin design will fit under any grinding shield or welding helmet
- Will not obstruct field of vision
- Economical solution and alternative to disposable respirators
- "Saf-Twist" design quickly attaches the cartridge to any Dentec Safety half-mask or full face air-purifying respirator facepiece

NSE **158-D-N5HAM** Quantity 6
NSE **158-D-N5B100** Quantity 100

ORGANIC VAPOR WITH R95 PREFILTERS AND RETAINERS

- Suitable for Lacquer and enamel paints, pesticides, welding, dusts & oil-based particulate aerosols
- NIOSH
- APF 10 with a half-mask, APF 50 with a full face mask
- OSHA silica dust compliant
- Organic Vapors and R95 Oil and Non-Oil Particulate Aerosols
- Unique "Saf-Twist" design quickly attaches to any US Safety half-mask or full face air-purifying respirator facepiece. The offset connector improves visibility and allows face shields or welding helmets to be worn without interference
- Offset connector allows the user to rotate the cartridge into 3 different positions improving visibility
- Offset connector improves visibility and allows face shields or welding helmets to be worn without interference

NSE **158-T-20DR5B12** 12 Pair
NSE **158-T-20DR5B100** Box of 2

130M MASK COVER WINDOW

130M Full face respirator face shield mylar cover option.

- Protects primary lens from splashes and scratches
- When shield is covered, simply replace with a new cover to further protect the polycarbonate window
- 25 Per package

NSE **1307096**

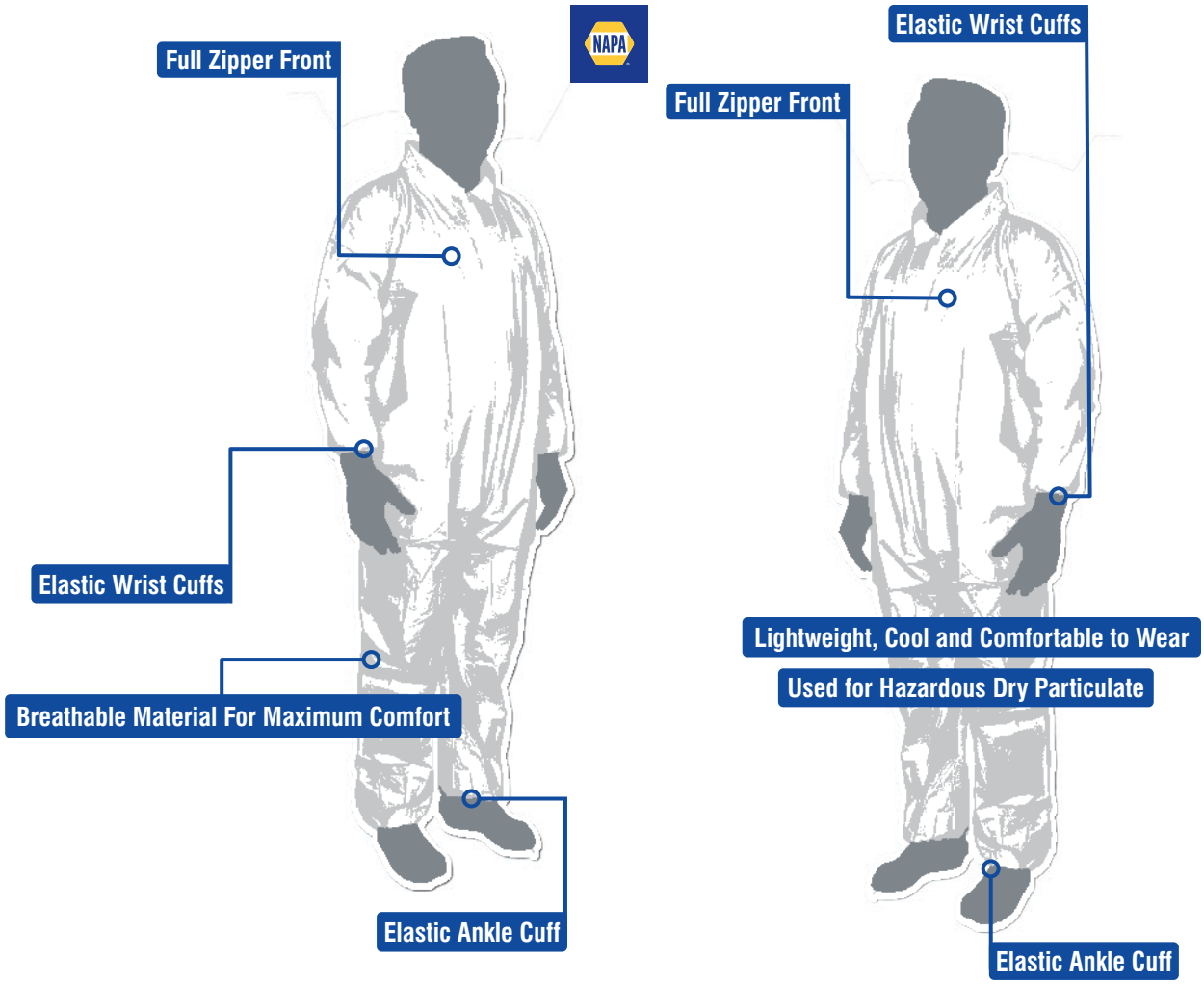
PRESCRIPTION LENS MOUNT FOR FULL FACEPIECE – 50MM

Prescription lens mount for full facepiece – 50mm, rubber slide adjustment.

- Prescription lens frame allows user to have their prescription lens made
- Universal fit, fits most full face respirators
- Frame can be adjusted to allow user to adjust the lens for their optical center

NSE **16157**

Body Protection



POLYLITE® LIGHT WEIGHT POLYPROPYLENE DISPOSABLE COVERALL

Disposable polypropylene garments are ideal for use in nonhazardous environments such as hospitals, clinics, laboratories, food processing facilities and painting applications. Made of cool, comfortable, and lightweight polypropylene

- Zipper Front
- Elastic Wrists and Ankles
- Porous Material Allows for Breathability
- Offers Superior Liquid Barrier Protection
- Used for Non-Hazardous Dry Particulate Production

Item No.	Size
NSE **340-022**	Large
NSE **340-023**	X-Large
NSE **340-025**	XXX-Large

PROMAX® DISPOSABLE COVERALL

ProMax® continues to be a cost effective alternative that provides comfort, durability, and protection. ProMax® is a microporous polyolefin fabric. Its inherent composition makes it suitable for many commercial applications, such as: asbestos abatement, general maintenance, food processing with chemicals, painting, and pesticide spraying.

- Zipper Front
- Elastic Wrists and Ankles
- Lightweight, Cool and Comfortable to Wear
- Offers Superior Liquid Barrier Protection
- Used for Hazardous Particulate and Non-Hazardous Liquids

Item No.	Size
Coveralls Without Hood	
NSE **340-001**	Medium
NSE **340-002**	Large
NSE **340-003**	X-Large
NSE **340-004**	XX-Large
NSE **340-005**	XXX-Large

Item No.	Size
Coveralls With Hood	
NSE **340-011**	Medium
NSE **340-012**	Large
NSE **340-013**	X-Large
NSE **340-014**	XX-Large
NSE **340-015**	XXX-Large

WARNING:

All safety equipment should be selected in conjunction with an OSHA-approved safety program that evaluates your specific hazards. Improper selection and/or use of safety products may cause serious injury.

PROLITE® DISPOSABLE COVERALLS

- Soft, Comfortable Fabric. Polycoated Spunbond Fabric
- Fold down collar
- Provides superior fluid and dry particulate protection. These garments offer high strength and toughness, yet are soft, comfortable, and affordable
- Provides superior dry particulate protection
- White color
- Provides superior fluid protection
- Zipper closure
- Open wrists and ankles

Item No.	Size
NSE **340-051**	Medium
NSE **340-052**	Large
NSE **340-053**	X-Large
NSE **340-054**	XX-Large
NSE **340-055**	XXX-Large

PROLITE® PE DISPOSABLE COVERALLS

- Soft, Comfortable Fabric. Polycoated Spunbond Fabric.
- Provides superior fluid and dry particulate protection. These garments offer high strength and toughness, yet are soft, comfortable, and affordable
- Elastic wrists and ankles
- Provides superior dry particulate protection
- Hooded
- White color
- Provides superior fluid protection
- Zipper closure

Item No.	Size
NSE **340-061**	Medium
NSE **340-062**	Large
NSE **340-063**	X-Large
NSE **340-064**	XX-Large
NSE **340-065**	XXX-Large

PROMAX HOOD

- Suitable protection for paint spraying, pesticide spraying, general maintenance, asbestos abatement, agricultural application, and etc
- One size fits most
- Lint and static free
- Features elastic around the face
- Color: White

NSE **340-613**

TYVEK DISPOSABLE COVERALLS

- Tychem SL is a lightweight fabric, laminated with a chemical resistant Saranex film
- Elastic wrists and ankles
- White color
- Hooded
- Ideal barrier protection from hazardous liquids like solvents, acids, bases, insecticides and pesticides
- Provides ideal barrier protection of hazardous chemicals in a wide variety of industries such as agriculture, automotive, chemical manufacturing, spill containment, and environmental cleanups
- Zipper closure

Item No	Description
NSE **340-072**	Medium
NSE **340-071**	Large
NSE **340-073**	X-Large
NSE **340-074**	XX-Large
NSE **340-075**	XXX-Large

ALLEGRO® INDUSTRIES

SPRAY SOCK HEAD COVER DISPLAY BOX

- Disposable spray sock provides comfortable protection against overspray and other particulates
- Fits over the head and can be worn with goggles, half-mask, and full-mask respirators
- Stretch to fit facial opening to allow exposure of eyes, nose, and mouth
- Cool and lightweight

NSE **340-610** Display Box (12 each), Sold Individually

PROMAX SHOE COVER

- Made of microprous polyolefin material and is inherently anti-static
- Allows breathability and fluid resistant
- Features elastic ankles
- 16" length
- Color: White

NSE **340-611** Display Box (10 Pairs), Sold as Pairs

WARNING:
All safety equipment should be selected in conjunction with an OSHA-approved safety program that evaluates your specific hazards. Improper selection and/or use of safety products may cause serious injury.

Body Protection

PVC APRON

- 6 mil blue vinyl
- Size: 35" wide x 47" overall length
- Chemical Resistant
- Attached Tie Straps
- Protects against acids, alkalies, solvents, chemicals, oils, fats, salts, and abrasions
- FDA Compliant

NSE **340-612**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MECHANIX WEAR® SHOP APRON

Stay clean and organized.

- Two large lower pockets to store tools
- Three pockets for organizing fasteners and hardware
- One single upper-chest pocket and two handy pen pockets front and center
- Fully adjustable neck and waist straps for a custom fit

BK **763-1122**

35 MIL PVC 3-PIECE RAINSUIT

- Adjustable bib overall pants and jacket with detachable hood
- Each suit is individually bagged
- Underarm vents
- Cape-ventilated back

Item No.	Size
NSE **340-902**	Large
NSE **340-903**	X-Large
NSE **340-904**	XX-Large

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MECHANIX WEAR® HEAT SLEEVE

Don't dive into a hot engine without them.

- Two 17 inch heat sleeves extend above the elbow
- 100% heat resistant, woven Kevlar
- Repels oil, fuel, and liquids
- Elastic-bead secures fit on thumb and finger opening
- Snug fit allows for comfortable use of gloves over sleeve

BK **763-1170**

FOAM KNEE PADS

- **Durable** - Tough polyethylene outer shell and 1680D polyester inner lining hold up to the most punishing tasks
- **Weight-Dispersing** - EVA foam distributes body weight to provide maximum knee stability and protection
- **Adjustable** - Calf strap provides a comfortable fit for legs ranging from 12.5 inches to 20 inches around
- **Comfortable** - Neoprene strap secures knee pad without cutting off circulation
- **Versatile** - Twist-to-lock thumbscrew and anchor system allows attachment of optional protective caps

NSE **STL93180**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GEL KNEE PADS PLUS

- **Durable** - Constructed of a durable 1680D polyester blend for superior abrasion resistance
- **Impact Absorbing** - Lightweight compression gel absorbs hard impacts and delivers greater comfort
- **Comfortable** - Single neoprene strap helps to avoid painful bunching and fits any size leg from 12.5 to 20-inches around
- **Versatile** - Twist-to-lock thumbscrew and anchor system allows attachment of optional protective caps
- **Compatible** - Compatible with PROLOCK PLK05 (*NSE* **STL93178**) and PLK06 (*NSE* **STL93179**) hard and non-marring caps
- **Adjustable** - Adjustable truss system fits any size calf to help prevent strained muscles and ligaments
- **Glove Friendly** - Pull tabs on the straps allow easy adjustment while wearing gloves

NSE **STL93181**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

GEL KNEE PADS PLUS

- **Durable** - Polyethylene outer shell and 1680D polyester inner lining construction
- **Supportive** - Hinged design adds thigh support for greater pressure management and all-day comfort
- **Impact Absorbing** - Lightweight TPE compression gel absorbs hard impacts and delivers greater comfort and stability
- **Adjustable Fit** - Straps are fully adjustable and fit any leg size from as small as 12.5-inches around to 29-inches around
- **Comfortable** - Combination elastic/neoprene/buckle thigh and calf straps comfortably hold knee pad in place without cutting off circulation
- **Essentials Storage** - Built-in pencil/ruler holder offers added storage for essential tools

NSE **STL93183**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

2 IN 1 NON-MARRING KNEE PADS

- **Multi-Purpose** - Removable K-Resin hard outer shell redirects pressure from your knees
- **Comfortable** - Custom-Molded EVA foam disperses body weight and conforms to your knees to provide maximum stability
- **Perfect Fit** - Single strap design is easy to put on and helps avoid bunching and fits any size leg from 10.5 to 30-inches around
- **Lightweight** - Lightweight construction means these kneepads will not slide down when you have to get up
- **Non-Marring** - Both K-Resin outer shell and foam pad will not leave marks or scratches on delicate surfaces

NSE **STL93176**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HARD CAPS KNEE PAD COVERS

- **Versatile** - Interchangeable cap to give your Prolock Kneepads added versatility
- **Hard-Wearing** - Polyethylene cap provides extreme wear resistance and additional protection for special projects
- **Secure Fit** - Twist-to-lock thumbscrew and anchor system ensures your cap stays put
- **Free Movement** - Smooth plate surface allows for quick-pivoting and side-to-side movements
- **Compatible** - Compatible with PROLOCK PLK03 (*NSE* **STL93180**) foam and PLK04 (*NSE* **STL93181**) gel knee pads
- **Lightweight** - Lightweight construction won't add unnecessary weight

NSE **STL93178**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WET SURFACE KNEE PADS

- **Multi-Use** - Perfect for wet and dirty jobs from pouring concrete to gardening
- **Free Movement** - Accordion-Flex top keeps debris off your clothes and keeps pad comfortable while walking
- **Perfect Fit** - Custom-Molded EVA foam conforms to your knees and disperses body weight to provide maximum stability
- **Secure** - Secure strap locks won't loosen or slip
- **Comfortable** - Single rubber strap is waterproof and helps avoid painful bunching and fits any size leg from 11 to 25-inches around
- **Waterproof** - Waterproof, flexible PVC outer shell and closed cell EVA inner foam give protection in both wet and dry conditions
- **Easy To Clean** - Easily cleaned off with water after every job

NSE **STL93177**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

NON-MARRING KNEE PAD COVERS

- **Versatile** - Interchangeable cap to give your Prolock Kneepads added versatility
- **Added Protection** - Thermoplastic Elastomer (TPE) cap provides additional protection for special projects
- **Non-Marring** - Flexible copolymer construction is non-marring and shields working surfaces from damage
- **Secure** - Twist-to-lock thumbscrew and anchor system ensures your cap stays put
- **Compatible** - Compatible with PROLOCK PLK03 (*NSE* **STL93180**) foam and PLK04 (*NSE* **STL93181**) gel knee pads
- **Lightweight** - Lightweight construction won't add unnecessary weight

NSE **STL93179**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

FOAM KNEE PADS PLUS

- **Durable** - Polyethylene outer shell and 1680D polyester inner lining construction
- **Supportive** - Hinged design adds thigh support for greater pressure management and all-day comfort
- **Perfect Fit** - Custom-molded EVA foam disperses body weight and provides maximum stability
- **Adjustable Fit** - Straps are fully adjustable and fit any leg size from as small as 12.5-inches around to 29-inches around
- **Comfortable** - Combination elastic/neoprene/buckle thigh and calf straps comfortably hold knee pad in place without cutting off circulation
- **Essentials Storage** - Built-in pencil/ruler holder offers added storage for essential tools

NSE **STL93182**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

TREX™

TREX™ ICE CLEATS

The TREX™ tungsten carbide slip-on ice cleats are lightweight ice grips for boots and shoes that provide tenacious traction and extra stability on ice and snow. It's heat-treated carbon steel studs line the length of the foot with a thicker under-sole tread and a reinforced toe cap for more durable wear and a better grip.

- Tested to remain flexible in temps up to -40°F
- One-piece design offers grip to prevent slip and fall injuries on the ice
- Stretchable rubber with a textured interior for a secure fit and large thumb tabs on the heels to make getting on and off easy

Item No.	Size	Fits U.S. Men's Sizes
NSE **16753**	Medium	5- 8
NSE **16754**	Large	8-11
NSE **16755**	X-Large	11-15
NSE **16756**	XX-Large	15-18

Body Protection

MECHANIX WEAR® TEAM ISSUE KNEE PADS

Designed specifically for racing, the Team Issue Knee Pad is an essential tool for the intensity of the pits. High-density outer pad is covered in Kevlar® and stitched for high-impact protection. A breathable Airprene™ wrap is sandwiched on the inside with an anatomically molded inner pad for light weight and comfort. Left and right specific design with hook-and-loop closure, engineered for optimum fit, long wear and comfort. One size fits all. Color: Black.

BK **763-1171**

4-POINT SNAP LOCK & RATCHET HARD HATS

- Hazard control for impact, penetration, flammability, electrical insulation and humidity
- High Density Polyethylene shell construction
- Sleek low profile design
- Markings to prevent reverse donning
- Replaceable head bands, suspensions and cushioned brow pads
- Liquid channels on back and sides to divert moisture
- Snap-lock suspension with adjustments for comfort fit
- Meets or exceeds ANSI Z89 Standard

Item No.	Description
NSE **340-600**	Snap Lock, White
NSE **340-601**	Snap Lock, Yellow
NSE **340-603**	Ratchet Safety Suspension, Blue
NSE **340-604**	Ratchet Safety Suspension, Orange

SKULLERZ® LIGHTWEIGHT BUMP CAP HAT W/LED LIGHTING

At less that 5 oz. (135 g), this incredibly lightweight bump cap delivers optimal comfort without compromising safety. Run time us up to 11 hours with use of four CR2032 lithium-ion batteries (included). This bump cap tackles two big challenges workers face in the field: weight and heat. The removable bump cap insert is made of a lightweight but durable high-density polyethylene (HDPE). Lining the insert is a removable, washable and anti-microbial EPP foam pad.

- Lightweight bump cap does not compromise protection against bumps, scrapes, bruises and other minor head injuries
- Ultra-bright LED lights under the brim emit 44 lumens for 11 hours of hands-free visibility in the dark (four CR2032 lithium-ion batteries included)
- Strategic 360° ventilation on insert, foam pad and hat for maximum airflow between the worker's head and the bump cap
- Impact-resistant, high-density polyethylene shell with foam pad for durable protection
- Removable, washable and anti-microbial foam pad provides additional airflow and helps keep sweat out of eyes
- Reflective piping keeps workers safe and seen
- Meets EN 812-2012 standard for industrial bump caps
- Weighs less than 5 oz. / 135 g
- Hand wash – remove batteries and bump cap insert
- Patent pending

NSE **23369** Single
NSE **23485** 6-Pack

SKULLERZ® LIGHTWEIGHT BUMP CAP HATS

At less than 5 oz., this incredibly lightweight bump cap delivers optimal comfort without compromising safety. This bump cap tackles two big challenges workers face in the field: weight and heat. The removable bump cap insert is made of a lightweight but durable high-density polyethylene (HDPE) with maximum ventilation for all-day breathability that does not compromise protection. Lining the insert is a removable, washable and anti-microbial EPP foam pad for enhanced comfort, protection and airflow. This pad also helps prevent sweat from dripping down into eyes. Vents in the insert and foam pad channel heat away from the head and cooling channels allow additional airflow above the pad.

- Brim size of 3 in.
- Keeps workers safe and seen
- Remove bump cap insert before washing
- Meets EN 812-2012 standard for industrial bump caps
- Impact-resistant, high-density polyethylene shell with foam pad for durable protection
- Removable, washable and anti-microbial foam pad provides additional airflow and helps keep sweat out of eyes
- Strategic 360° ventilation on insert, foam pad and hat for maximum airflow between the worker's head and the bump cap
- Lightweight bump cap does not compromise protection against, bumps, scrapes, bruises and other minor head injuries

Item No.	Color	Qty.
NSE **23367**	Black	1
NSE **23486**	Black	6
NSE **23352**	Lime	1
NSE **23487**	Lime	6

SKULLERZ® UNIVERSAL BUMP CAP INSERT

The Skullerz® 8945 Universal Bump Cap Insert is a lightweight, impact-resistant shell that easily inserts into any baseball cap, hat or other headwear for protection against bumps, scrapes, bruises and other minor head injuries. With flexible sides and convenient trim-to-fit customization, this bump cap insert easily fits a variety of hats/caps and head shapes. The shell is made of lightweight, durable polypropylene and designed with maximum ventilation for breathable airflow that doesn't compromise protection. An interior foam pad reduces impact but does not absorb odors for fresh all-day wear. Not bulky like a hard hat, bump caps are typically worn in spaces where worker-generated impact head protection is needed, like low ceilings, beams, low pipes and other bump hazards. They are ideal for mechanics and airline baggage handlers, as well as workers in factories, in-home services and other industries that do not require safety hard had protection.

- Impact-resistant polypropylene will not break or crack
- Breathable – strategically placed vents for continuous airflow
- Horizontal and vertical two-way flex design for protection that is not stiff or bulky
- Top of head padding – closed cell foam reduces impact without absorbing odors
- Weighs just 75 g/2.6 oz.
- Patented

NSE **23484** 12-Pack
NSE **23380** Single

ELASTIC BACK SUPPORT

The ProFlex® 1850 Economy Elastic Back Support is an all elastic 7.5-inch body for extra firm support. Designed to remind workers of proper lifting techniques while also enhancing the body's intra-abdominal pressure, moving the stress away from the spine for back pain relief. The support should fit snugly around your hips with the front of the support two-fingers width below your navel. An easy-to-use hook & loop closure keeps the belt securely fastened while in use and can be worn over or underneath clothing. Adjust the suspender straps to fit securely on your shoulders without causing tension. Pro-Flex® back supports provide lower back support and abdominal support for lifting heavy objects. Tightening the back support belt enhances the body's intra-abdominal pressure and moves the stress away from the spine. When the back support is on correctly, the worker will have additional support for lifting and is more likely to use proper posture.

- 7.5 in. / 19 cm all-elastic body
- 5 in. /12.7 cm single strap closure
- Polypropylene stays for long-lasting integrity
- Adjustable, detachable suspenders keep the back support brace in place
- Waist size ranges from 25 in. – 58 in. / 64 cm – 147 cm
- Machine wash cold, air dry

Item No.	Size
NSE **11095**	X-Large
NSE **11096**	XX-Large
NSE **11097**	XXX-Large

NYLON BACK SUPPORT BELT

- Provides lumbar support while lifting
- 8" Elastic back panel and 3" elastic side pulls
- Detachable elastic suspenders
- 4-Stays for support

Item No.	Description
NSE **340-201**	Medium (32" - 38" waist size)
NSE **340-202**	Large (38" - 47" waist size)
NSE **340-203**	X Large (47" - 56" waist size)

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CONSUMER FIRST AID KIT

Neat, orderly packaging, makes contents easy to locate and use. Weatherproof case keeps contents safe from dust and moisture.

NSE **340-400**

Contents

Qty.	Description
1	Pair of Nitrile Exam Gloves
1	Conforming Gauze Roll, 2"
1	Trauma Pad, 5" x 9"
12	BZK Antiseptic Towelettes
3	Insect Sting Relief Pads
6	Triple Antibiotic Ointment Packets
1	Scissors
1	Tweezers
1	First Aid Tape, 1/2" x 5 YD.
1	Eyewash, 4 oz.

Qty.	Description
6	Aspirin Tablets
1	Sterile Eye Pads
1	First Aid Guide
1	Cold Compress, 4" x 5"
10	Plastic Bandages, 3/4" x 3"
2	Knuckle Fabric Bandages
3	Fingertip Heavy Woven Fabric Bandages
3	Gauze Dressing Pads, 2" x 2"
1	Triangular Sling/Bandage, 40" x 40" x 56"

79 PC. ROADSIDE EMERGENCY VEHICLE KIT

Deluxe roadside emergency kit helps you stay safe on the road. Packed in a durable case with handles and customized compartments. Complete selection of quality products to handle most roadside emergencies.

- Flares protect you and your family during a roadside emergency.
- Creates a safety zone around you until help arrives.

BK **730-0002**

Contents

Qty.	Description
3	20-Minute flares
1	Reflective folding triangle
1	Flashlight with Batteries
1	6 in. green lightstick
1	Thermal blanket
1	Bright orange vest
1	Rain poncho
1	Shop cloth
1	Jumper cable (8 Ga / 8 ft)
1	Multi-tool

Qty.	Description
4	Towelettes
35	Bandages
1	Large Wound Pad
1	Cold Pack
1	Pair Latex Gloves
2	First Aid Creams
6	Alcohol Wipes
6	Antiseptic Wipes
4	Sting Wipes
1	Plastic Case

⚠ **WARNING: This product can expose you to chemicals including Carbon Black which is known to the State of California to cause cancer, and Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov./product**

INDEX

SAFETY COMPLIANCE MEDIA REFILL KIT

- Summarizes the information found in the 16 sections
- Poster provides instructional information regarding hazard communication
- HCS 2012 / GHS+P37+J36:036+I36:036+K36:036
- Laminated for durability
- Informs employees and supports your hazard communications program.
- Size: 20 in. x 32 in.

NSE **340-424** English Poster
NSE **340-425** Spanish Poster

SAFETY COMPLIANCE KIT

- Ensures proper employee access of OSHA mandated hazardous jobsite information
- 10 English and 10 Spanish laminated wallet GHS reference cards
- The GHS Compliance kit helps organize and share required information related to workplace hazards to avoid workplace accidents, fines, and penalties
- One wall station with binder
- 1 English and 1 Spanish SDS Sheet data explanatory poster
- 1 English and 1 Spanish GHS Label Identifier explanatory poster
- Size: 24 in. x 18.5 in. x 9 in

NSE **340-422**

SAFETY COMPLIANCE MEDIA REFILL KIT

- Defines all 9 GHS pictograms and OSHA label format
- Informs employees and supports your hazard communications program. Defines all 9 GHS pictograms and OSHA label format
- Poster provides instructional information regarding hazard communication
- Easy to understand
- Laminated for durability
- Size: 20 in. x 32 in.

NSE **340-426** English poster
NSE **340-427** Spanish poster

SAFETY COMPLIANCE MEDIA REFILL KIT

- Ensures proper employee access of OSHA mandated hazardous jobsite information
- Made of durable polystyrene
- Mount in plain site where all employees have access
- New Right to Understand GHS SDS Complaint Station replaces old MSDS Right to know Stations. Durable station with bold text is heavy duty and easily seen. Fill with SDS sheets of all hazardous chemical within a facility where employees can easily access the information.
- Consult your OSHA inspector regarding hazard communication best practices
- Extra-large 2.5 in. 3-ring binder accommodates new 16 part SDS sheets
- Size: 24 in. x 18.5 in. x 9 in.

NSE **340-423**

BLOODBORNE PATHOGEN CLEANUP KIT

Safe and sanitary removal of spilled bodily fluids, blood and other potentially infectious substances. Helps prevent workplace exposure to bloodborne pathogens.

- Heavy duty plastic case with handle and safety latch
- Does not include spray disinfectant
- Includes PPE & bodily fluid cleanup tools
- Safe & sanitary removal of spilled bodily fluids, blood, and other potentially infectious substances
- Complies with OSHA Bloodborne Pathogen Rule 29 CFR 1910.1030 & Rule 29 CFR 1910.1031

NSE **390-020**

SAFETY BLOODBORNE PATHOGEN CLEANUP KIT

- Safe and sanitary removal of spilled bodily fluids, blood and other potentially infectious substances. Helps prevent workplace exposure to bloodborne pathogens
- Heavy duty plastic case with handle and safety latch
- Complies with OSHA Bloodborne Pathogen Rule 29 CFR 1910.1030 & Rule 29 CFR 1910.1031
- Includes PPE & bodily fluid cleanup tools
- Does not include spray disinfectant
- Safe & sanitary removal of spilled bodily fluids, blood, and other potentially infectious substances
- Size: 12 in. x 6 in. x 3 in.

NSE **390-021**

SAFETY BLOODBORNE PATHOGEN CLEANUP KIT

- Kit contains: 1 pair disposable gloves, 1 disposable faceshield, 1 disposable face mask, 1 pair disposable shoe covers, 1 disposable apron, 1 absorbent pack, 2 disposable towelettes, 2 scoops/scrapers,
- Safe and sanitary removal of spilled bodily fluids, blood, & other potentially infectious substances
- Safe and sanitary removal of spilled bodily fluids, blood and other potentially infectious substances. Helps prevent workplace exposure to bloodborne pathogens
- Complies with OSHA Bloodborne Pathogen Rule 29 CFR 1910.1030
- Includes: 2 red biohazard bags with ties, 1 disposable towel, 1 instruction sheet, 1 can 12-oz. disinfectant spray (has HIV-1 tuberculocidal claim)
- Size:8.5 in. x 8.5 in. x 3 in.

NSE **390-022**

SAFETY BLOODBORNE PATHOGEN CLEANUP KIT

- Safe and sanitary removal of spilled bodily fluids, blood, & other potentially infectious substances
- Safe and sanitary removal of spilled bodily fluids, blood and other potentially infectious substances. Helps prevent workplace exposure to bloodborne pathogens
- Complies with OSHA Bloodborne Pathogen Rule 29 CFR 1910.1030
- Kit contains: 1 pair disposable gloves, 1 disposable faceshield, 1 disposable face mask, 1 pair disposable shoe covers, 1 disposable apron, 1 absorbent pack, 2 disposable towelettes, 2 scoops/scrapers
- Includes: 2 red biohazard bags with ties, 1 disposable towel, 1 instruction sheet
- Does not include spray disinfectant
- Size: 12 in. x 6 in. x 3 in.

NSE **390-023**

EVERYDAY USE CLEAN-UP KIT

Make quick work of small messes with the grab-and-go clean up kit for everyday, accidental spills. Its compact design lets you store virtually anywhere for a faster, more efficient response time.

- Resealable bag can be used to contain used absorbents
- Safer and more effective than using rags or paper towels
- Easy-open bag protects kit contents from dirt and moisture
- Absorbs up to 37 ounces of oils, coolants, solvents and more

NSE **390-008**

⚠ **WARNING: This product can expose you to chemicals including silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov.**

BLOOD VOMIT AND URINE CLEAN-UP KIT

Nobody wants the job of cleaning up bodily fluids, but this grab-and-go clean up kit helps you stay clean, safe and sanitary while you take care of the spill. Its compact design lets you store a spill kit virtually anywhere you need one for fast response.

- Easy-open, resealable bag protects kit contents from dirt and moisture
- Safer and more effective than using rags or paper towels
- Universal absorbents clean up blood, vomit, urine and other bodily fluids, up to 37 ounces
- Surface sanitizing wipes and biohazard disposal bag help you control germs and reduce the risk of infection

NSE **390-009**

⚠ **WARNING: This product can expose you to chemicals including silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov.**

GARAGE AND WORKSHOP CLEAN-UP KIT

Keep your garages and workshops ready for spills with our grab-and-go clean up kit for oils, coolants, paints and more. Its compact design lets you store a spill kit virtually anywhere you need one for fast response.

- Safer and more effective than using rags or paper towels
- Easy-open bag protects kit contents from dirt and moisture
- Absorbent mat pads absorb up to 36 ounces
- Resealable bag can be used to contain used absorbents

NSE **390-010**

SAFETY BARRIER TAPE

- Cut to size
- Easy solution for surrounding a hazard or preventing entry
- Barrier tape is an easy solution for surrounding a hazard or preventing entry
- 1.5 mil thickness
- Helps communicate possible hazards
- Size: 1000' x 3 in.

NSE **390-630** Caution Do Not Enter
NSE **390-631** Caution

⚠ WARNING: Cancer - www.P65Warnings.ca.gov.

OIL-ONLY ABSORBENT MAT PADS

- Features abrasion-resistant top layer that gives pads and rolls strength for everyday cleanup jobs
- Perfect for medium duty industrial, maintenance, and general applications
- Oil selective; repels water but absorbs oil and oil-based fluids
- One layer of SpunBond™ fabric is ultrasonically bonded to a single layer of MeltBlown™ absorbent
- Quickly absorbs leaks, spills, and overspray to keep floors dry
- Perforations allow you to tear pads and rolls into different sizes based on your application
- Absorbs up to 24.7 gal. (93.5 liters) per package
- Mat pad size: 15" x 19"

NSE **390-001** Sold as each

UNIVERSAL ABSORBENT MAT PADS

- Features abrasion-resistant top layer that gives pads and rolls strength for everyday cleanup jobs
- Perfect for medium duty industrial, maintenance, and general applications
- Quickly absorbs leaks, spills, and overspray to keep floors dry
- Perforations allow you to tear pads and rolls into different sizes based on your application
- One layer of SpunBond™ fabric is ultrasonically bonded to a single layer of MeltBlown™ absorbent
- Universal absorbency means one product for multiple liquids
- Use for oils, coolants, solvents, and water
- Absorbs up to 24.7 gal. (93.5 liters) per package
- Mat pad size: 15" x 19"

NSE **390-002** Sold as each

OIL-ONLY ABSORBENT ROLL

- Defender Mat features an abrasion-resistant top layer that gives pads and rolls strength for everyday cleanup jobs
- Perfect for medium duty industrial, maintenance and general applications
- Perforations allow you to tear pads and rolls into different sizes based on your application
- Quickly absorbs leaks, spills, and overspray to keep floors dry
- Oil selective, repels water but absorbs oil and all oil based fluids
- Absorbs up to 23 gal. (87 liters) per package
- Roll size 15" x 150'

NSE **390-003**

SHEEN CLEAN™ LOOSE ABSORBENT

- Loose absorbent designed to absorb liquids and remove the sheen or slipperiness from walking surfaces
- Designed to absorb water, oils, solvents, water based liquids, paints, fuels, and coolants
- White, loose granular material
- Absorbs up to 8 gal. per package
- 10 lb. (4.5 kg.) Bag

NSE **390-000**

⚠ WARNING: This product can expose you to chemicals including Silica and Talc, which are known to the State of California to cause cancer. For more information go towww.P65Warnings.ca.gov

UNIVERSAL DRUM TOP PADS

- Drum pads absorb drips from leaking pumps to help keep drum storage areas looking good
- Grunge-hiding gray signifies universal absorbency for oils, coolants, solvents, and water
- Pads can be removed and replaced with pumps and valves installed
- Precut bung holes make for easy access to drum
- Made from top quality Commander™ Mat material
- Fits a 55 gal. drum tops
- Absorbs up to 8.6 gal. per package
- Pad size: 22" Dia

NSE **390-005** Sold as each

OIL-ONLY SPILL CONTROL SOCK

- Soaks up petroleum based fluids quickly while repelling water
- Sock floats for cleanup of waterborne hydrocarbons
- Flexible to conform around machine bases and offer a snug fit with no seepage
- Contains spills to keep fluids from spreading into larger areas and becoming slip-hazards
- White designates oil only absorbency and makes it easy to identify when saturated
- Absorbs up to 8.3 gal. (31 liters) per package
- Sock size: 3" x 4'

NSE **390-006** Pack of 10 (Sold as each)

UNIVERSAL EMERGENCY RESPONSE TRUCKERS SPILL KIT

- Trucker spill kit tackles smaller spills that truckers encounter on a regular basis
- Includes eye and hand protection for use when cleaning up spills
- Zipper bag provides secure closure to protect from dirt and damage
- Kit absorbs 8.3 gallons (31.4 liters)

Contents

(20) 15" x 19" Pads, (3) 3" x 4' Socks, Yellow Disposable Bag & Tie, Safety Goggles, Clear Vinyl Zipper Bag, Nitrile Gloves, Vinyl Spill Kit Label

NSE **390-007**

⚠ WARNING: This product can expose you to chemicals including Silica and Talc, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

impact

NON-ANSI VELCRO™ CLOSURE SAFETY VEST

- Light duty general purpose non-ANSI safety vest
- Ideal for special events, parking attendants, and other low / slow traffic environments
- One-size fits all
- Fluorescent Lime Green - 1" White Stripes / Velcro closure / Elastic Side Strips

NSE **390-600**

impact

CLASS 2 FLUORESCENT LIME GREEN SAFETY VEST

- Class 2 safety vests are worn when greater visibility is need in areas of high traffic, dangerous weather conditions and complex backgrounds
- A must in construction, law enforcement, emergency response, and utility fields need to wear this type of safety vest
- Features fluorescent lime green mesh fabric, 2" silver stripes, Hook & Loop Front Closure and Left Chest Pocket
- Non-conductive, non-caustic zipper front closure
- 100% polyester mesh keeps user cooler
- Meets or exceeds ANSI Class 2 Hi-Visibility Standards

Item No.	Size
NSE **390-616**	Medium
NSE **390-617**	Large
NSE **390-618**	X-Large
NSE **390-619**	XX-Large
NSE **390-605**	XXX-Large

impact

CLASS 2 FLUORESCENT ORANGE SAFETY VEST

- Identical to our Class 2 line fluorescent green safety vest
- Features fluorescent orange solid front & mesh back fabric, 2" silver stripes, zipper closure and 4-outside pockets
- Meets or exceeds ANSI Class 2 Hi-Visibility Standards

Item No.	Size
NSE **390-611**	Medium
NSE **390-612**	Large
NSE **390-613**	X-Large
NSE **390-614**	XX-Large
NSE **390-615**	XXX-Large

GLOWEAR® TYPE R CLASS 2 ECONOMY MESH SAFETY VEST

This hi-vis vest features 2 reflective tape, a lower interior pocket and a single mic tab. This vest is available in dual sizes for a looser fit for wearing over sweatshirts or jackets. The hi-vis safety vest is our identical single size model for those who prefer a more tailored, performance-style fit. This reflective safety vest is ideal for anyone requiring Type R, Class 2 apparel, including road construction, baggage handling and municipalities.

- ANSI/ISEA 107, Type R Class 2 certified with 2 in. reflective tape for low-light visibility
- 3.3 oz. polyester mesh for lightweight breathability
- Hook & loop closure
- One lower interior pocket for storage of pens, notepads, etc.
- Mic tab for convenient radio access
- Dual sizing to fit a range of body sizes
- Machine washable

Item No.	Size	Chest Size
NSE **21023**	Small/Medium	36 in. – 44 in.
NSE **21025**	Large/X-Large	44 in. – 52 in.
NSE **21027**	XX-Large/XXX-Large	52 in. 58 in.

GLOWEAR® ORANGE TYPE R CLASS 2 ECONOMY SURVEYORS SAFETY VEST

This hi-vis vest features 2 reflective tape for enhanced low-light visibility. This vest is available in dual sizes for a looser fit for wear over sweatshirts or jackets. The hi-vis surveyors vest is our identical single size model for those who prefer a more tailored, performance-style fit. This reflective safety vest is ideal for anyone requiring Type R, Class 2 apparel, including road construction, baggage handling and municipalities.

- ANSI/ISEA 107, Type R Class 2 compliant with 2 in. reflective tape for low-light visibility
- Lightweight 3.6 oz. polyester solid front and breathable 3.3 oz. polyester mesh back
- Easy on and off with a zipper closure
- 2 interior, 2 exterior pockets for storage of cell phones, tablets, pens and more
- Mic tab for convenient radio access
- Dual sizing to fit a range of body sizes
- Zipper closure
- Machine washable

Item No.	Size	Chest Size
NSE **24013**	Small/Medium	36 in. – 44 in.
NSE **24015**	Large/X-Large	44 in. – 52 in.
NSE **24017**	XX-Large/XXX-Large	52 in. – 58 in.

NON-CERTIFIED SAFETY VEST

Non-certified standard safety vest: mesh fabric, hook & loop closure and reflective stripe.

- 2.6 oz. Polyester mesh
- Hook & loop closure
- 1 in. Reflective stripe
- One size fits most

NSE **20040**

GLOWEAR® HI-VIS SURVEYORS VEST

This hi-vis vest features two reflective tape for enhanced low-light visibility. This vest is available in dual sizes for a looser fit for wearing over sweatshirts or jackets. This reflective safety vest is ideal for anyone requiring Type R, Class 2 apparel, including road construction, baggage handling and municipalities.

- ANSI/ISEA 107, Type R Class 2 compliant with 2 in. reflective tape for low-light visibility
- Lightweight 3.6 oz. polyester solid front with breathable 3.3 oz. polyester mesh back
- Easy on and off – zipper closure
- 2 Interior, 2 exterior pockets for storage of cell phones, tablets, pens and more
- Mic tab for convenient radio access
- Dual sizing to fit a range of body sizes
- Zipper closure
- Machine washable
- Chest size up to 44-52"

Item No.	Size	Chest Size
NSE **24025**	L/XL	44-52" Chest
NSE **24027**	2XL/3XL	52-58" Chest

SAFETY SHIRTS

Class 3 Long sleeve T-shirt: Full sleeve coverage and maximum compliance from this breathable knit shirt with moisture wicking treatment.

- ANSI-compliant polyester breathable knit (4.1 oz.)
- Moisture-wicking treatment
- 30+ UPF for protection against harmful UV
- 2 in. ANSI-compliant heat transfer reflective
- One outside chest pocket

Item No.	Size	Chest Size
NSE **21705**	Large	42-46"
NSE **21706**	XX-Large	46-50"

SAFETY SHIRTS

Class 2 Black front T-shirt: Lightweight birds' eye knit t-shirt with black front to keep high wear area looking clean.

- ANSI-compliant polyester breathable knit (4.1 oz.)
- Moisture-wicking treatment
- 30+ UPF for protection against harmful UV
- 2 in. ANSI-compliant heat transfer reflective
- One outside chest pocket
- Black accents on front high wear area

Item No.	Size	Chest Size
NSE **22505**	X-Large	42-46"
NSE **22506**	XX-Large	46-50"

GLOWEAR® TYPE R, CLASS 3 HI-VIS QUILTED BOMBER SAFETY JACKET

Cuffs feature hook & loop straps to seal out the cold. Features two external front pockets for stashing gloves, phones and other gear plus an upper chest cell phone pocket. This reflective coat is a Class 3 garment and features 2 ANSI-compliant reflective stripes for nigh-time visibility. This safety high-visibility jacket is rated Type R Class 3 for increased visibility. Type R Class 3 garments feature more fluorescent material and retroreflective material than other classes, to ensure maximum visibility and safety in all conditions.

- 300D oxford polyester outer shell + PU coating resists wind and water to keep you dry
- Body and sleeves are lined with 160g thermal quilted insulation for warmth without the extra bulk
- 2 inch ANSI-compliant reflective material for night-time conspicuity
- Cell phone chest pocket, dual slot pen pocket on arm, dual slash pockets and dual mic tabs for clipping radios
- Black panels on the sleeves and front of jacket to hide dirt and wear
- Inset hood with drawstring and stoppers
- Machine washable

Item No.	Size
NSE **25624**	Large
NSE **25625**	X-Large
NSE **25626**	XX-Large

GLOWEAR® SAFETY PULLOVER SWEATSHIRT

The GloWear® 8373 Hi-Vis Pullover Hoodie meets ANSI/ISEA 107-2015 Type R, Class 3 standards for safety and is designed with high-quality 100% polyester polar fleece to provide conspicuity and warmth during chilly days. This safety sweatshirt has a pouch-style pocket, great for additional hand warmth and storage. The contrasting high visibility yellow/lime color provides ultimate visibility. There is 2 in. ANSI-compliant silver reflective tape on the torso, shoulders and sleeves, making it a great reflective hoodie to wear as night falls for effective visibility. The drawstring hood and elastic knit waistband and cuffs keeps the heat in for all-day warmth throughout the workday. GloWear® Hi-Vis sweatshirts are perfect for jobsites in high-traffic areas like road construction or anywhere that requires high visibility clothing.

- ANSI/ISEA 107-2015 Type R, Class 3 compliant
- 100% oxford polyester lined with polar fleece keeps you warm
- 2 in. ANSI-compliant silver reflective material enhances visibility at night or during low visibility conditions
- Drawstring hood allows adjustability throughout the workday
- Black front and lower arm sections hide dirt and grime
- Pouch style pocket for additional hand warmth and storage

Item No.	Size
NSE **21885**	X-Large
NSE **21886**	XX-Large

GLOWEAR® SAFETY RAIN JACKET

This lightweight reflective rain jacket easily fits over workwear without sacrificing mobility.
Reflective tape on chest and arms adds visibility at night or in low-light conditions. It's the perfect lightweight waterproof work jacket for those working in road construction, utilities, construction, emergency response, airline, railway or survey crews.

- Waterproof – lightweight 150-denier polyester oxford with PU coating
- Taped and bonded seams lock out water
- 2 lower front pockets with snap flaps, a cell phone chest pocket and a clear ID holder
- Concealed hood with drawstring can be stowed away when not needed
- Vented back cape for added breathability
- Storm flap and snap buttons prevent water from leaking through a zipper closure
- Hook and loop cuffs – adjustable wrist cuffs for a customizable fit
- Reflective tape adds visibility at night or in low light
- ANSI/ISEA 107-2015 Type R Class 3 and 3rd party certified
- Machine Washable

Item No.	Size
NSE **24335**	X-Large
NSE **24336**	XX-Large

GLOWEAR® SUN HAT

The GloWear® 8935 Hi-Vis Sun Hat is a lightweight and breathable sun protection hat for face and head shade while working outdoors. This 150D polyester sun hat features a wide brim for complete coverage, while 360° mesh venting maximizes airflow for breathable comfort. The hi-vis lime color and 1 in./2.5cm reflective tape are ANSI 107-approved to keep workers safe and seen. Machine wash as needed and hang to dry. Ideal for those working in hot environments where shade and cooling is needed, including agriculture and landscaping. Can also be used for outdoor recreation such as hiking, fishing or gardening.

- Machine washable
- Brim width of 2.5 in./6.5 cm
- 360° Mesh venting for maximum airflow
- Drawstring cord provides a secure fit under the chin
- Hyper-evaporative PVA liner easily activates with water for up to four hours of cooling relief
- Made with ANSI 107-approved hi-vis fabric and 1 in. reflective tape to keep workers safe and seen
- 150D Polyester hat with wide brim to shade face and head for comfortable protection against sun damage

NSE **23260**

CHILL-ITS® MULTI-BAND SAFETY MASK

The Chill-Its® 6485 Multi-Band offers head and face protection from the sun, dust and flying debris. Plus, it features moisture-wicking technology to absorb sweat and wick moisture away. This PPE safety headwear is incredibly versatile. Wear as a cooling headband, neck gaiter, face mask or face covering, hat, dew rag and more. It can also be worn under a hard had to wick moisture on hot days. Hang dry or machine wash as needed. Great for construction, landscaping, roofing or anyone working in the heat. It can also be used to keep cool and reduce the risk of heat stress while gardening, hiking, playing sports and more.

- Multiple ways to wear – wide variety of style and usage configurations
- Low profile – can be worn by itself or under a hard hat
- Moisture-Wicking – when dry, will absorb sweat, wick moisture away and dry fast
- Protect against wind, sun and dust – ultimate defense from the elements
- Anti-odor treatment – For long lasting freshness
- One size fits most – Soft, stretchable and seam-free performance knit fabric

Item No.	Color
NSE **42109**	Hi-Vis Orange
NSE **42108**	Hi-Vis Lime
NSE **42120**	Blue

Chill-Its

CHILL-ITS® COOLING ARM SLEEVE

Chill-Its® cooling arm sleeve provides full arm coverage to absorb and wick away sweat, deliver advanced cooling relief, shield skin from the sun's UV rays, and even protect against light abrasions.

- Performance knit fabric is soft, stretchable and durable
- Instant cooling when wet that can last for hours
- Anti-odor treatment keeps funky and unpleasant body odors under control

Item No.	Size
NSE **12383**	Medium
NSE **12384**	Large
NSE **12385**	X-Large
NSE **12386**	XX-Large

N-FERNO

N-FERNO® BALACLAVA FACE MASK

The N-Ferno® balaclava face mask is designed with high quality, soft, stretchable fleece for warmth when working in the cold.

- Flexible material to fit most head sizes
- Full thermal head/neck coverage that tucks into jackets
- Fits comfortably under a hard hat or helmet

NSE **16821**

Weather Safety Protection

N-FERNO

N-FERNO® FIRE RESISTANT FLEECE BALACLAVA FACE MASK

The N-Ferno® fire resistant balaclava face mask is dual compliant and meets two flame-resistant standards, NFPA 70E and NFPA 2112. Designed with Polartec® FR Power Grid™ fleece, which is a grid-construction knit that minimizes fabric mass and maximizes fabric performance for increased warmth and lighter weight. The interior is hydrophilic to absorb sweat and transfer it outside, while the exterior disperses moisture for more efficient evaporation. The grid design also creates open air channels for improved breathability.

- Blocks all the elements: earth, wind, fire and water
- ARC rating of CAT 2
- 20 cal/cm2 ATPV
- Can be worn alone or under hard hats, ski helmets or other head protection

NSE **16847**

Chill-Its

CHILL-ITS® DEW RAG

Chill-Its® dew rag features Hi Cool® moisture management performance fabric that transports moisture away.

- Absorbent terry headband
- Elastic band for a secure fit
- Comfortable to wear under hats, helmets or alone

Item No.	Color
NSE **12481**	Blue
NSE **12487**	Black

Chill-Its

CHILL-ITS® SKULL CAP

The Chill-Its® skull cap is a low profile cap featuring a wide, absorbent terry cloth sweatband to manage perspiration away from your eyes, face and glasses.

- Elastic band fits snug and comfortable to head
- Hi-Cool® moisture management performance fabric
- Low profile design fits comfortably under any hard had or helmet
- One size fits most

Item No.	Color
NSE **12510**	Blue
NSE **12516**	Black

Chill-Its

CHILL-ITS® COOLING TOWELS

- Heat stress prevention
- Instant cooling relief
- Can last for up to 4 hours on a single soak
- Reusable

Item No.	Color
NSE **12420**	Blue Towel
NSE **12438**	Gray Towel

Chill-Its

CHILL-ITS® COOLING BANDANA

Chill-Its® evaporative cooling bandana with cooling towel features advanced PVA material to keep you cool without the bulk. Its lightweight and low profile patented design is perfect for under hard hats.

- Tie closure
- Reusable, just re-wet to re-activate
- PVA material activates easily and quickly when run under water for one minute
- One size fits most

Item No.	Color
NSE **12567**	Solid Blue
NSE **12565**	Black
NSE **12561**	Stars & Stripes
NSE **12564**	Navy Western

N-FERNO

N-FERNO® TOE WARMING PACKS

N-Ferno® toe warmers adhere to socks, inside shoes, boots and other winter footwear, providing continuous warmth.

- Warms up to 5 hours
- To activate, just open the pack
- All natural ingredients heat up when they contact oxygen
- 4.9 in. L x 7.9 in. W

NSE **16992**

N-FERNO

N-FERNO® FOOT WARMING PACKS

N-Ferno® full foot warming packs adhere to socks, shoes, boots and other winter footwear insoles, providing continuous warmth.Warms up to 7 hours

- To active, just open the pack
- All natural ingredients heat up when they contact oxygen
- 7 in. L x 11 in. W

NSE **16995**

N-FERNO

N-FERNO® HAND WARMING PACKS

N-Ferno® hand warming packs are great for gloves, pockets and inside other winter clothing providing continuous warmth.

- Warms up to 12 hours
- To activate, just open the pack
- All natural ingredients heat up when the contact oxygen
- 6.5" L x 4.5" W

NSE **16990**

impact

ECONOMY SAFETY TRAFFIC CONES

- Safety cones are ideal for marking hazardous or designated areas in parking lots, garages, or indoors
- Slim-line design
- Wide base
- Flanged base for increased airflow resists tipping
- Hi-visibility orange

NSE **390-601** 18" Height
NSE **390-602** 28" Height

⚠ **WARNING: Cancer - www.P65Warnings.ca.gov.**

ORION

BK **770-6303**

BK **770-6300**

FUSEES STANDARD SAFETY FLARES

Standard safety flares feature a self-contained, patented Plas-T-Cap® igniter for easy use in wind, rain or snow. Safety and protection when you need it. UL listed.

Item No.	Description
BK **770-6300**	15 Min. w/Spike
BK **770-6306**	15 Min. Each Pack/3
BK **770-6301**	20 Min. w/Spike
BK **770-6304**	20 Min. w/o Spike
BK **770-6302**	30 Min. w/Spike
BK **770-6305**	30 Min. w/o Spike
BK **770-6303**	30 Min. w/Wire Stand

⚠ **WARNING: (*BK* 770-6306) This product can expose you to chemicals including Carbon Black which is known to the State of California to cause cancer, and Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ORION

HIGHWAY FLARE KITS

Contains six flares, orange safety vest and storage case with flare pockets and vest holder.

BK **770-6307** 20-minute
BK **770-6308** 30-minute

⚠ **WARNING: This product can expose you to chemicals including Carbon Black which is known to the State of California to cause cancer, and Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ORION

HEAVY-DUTY FLARE STORAGE BAGS

Holds up to 18 flares.

BK **770-6309** Holds 30-minute flares
BK **770-6310** Holds 20-minute flares

⚠ **"WARNING: This product can expose you to chemicals including DEHP which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

ORION

BK **770-6313**

ORION ROADSIDE SAFETY FLARES

Roadside safety flares feature patented Plas-T-Cap™ and non-roll feature. Ignite easily and continue to burn in all kinds of weather. 36 per case.

Item No.	Description
BK **770-6311**	20-Minute Red, No Spike or Stand
BK **770-6312**	20-Minute Red With Spike
BK **770-6313**	20-Minute Red With Wire Stand

ORION

BK **770-6311**

ORION BACKFIRE TORCHES

Effective for backfires and burnouts, torches burn for 10 minutes at over 3,400°F.

- Engineered to deliver a minimum 3/4" wide, 5" long flame
- Extended handle keeps flare cool
- Torches inter-connect for added length reducing unnecessary bending
- Weather resistant wax coating

BK **770-6314**

Kidde

FIRE EXTINGUISHER UL RATED 10B:C – 2.9 LBS.

Fire extinguisher features an easy-to-read gauge telling you when it's charged and ready to use and also a clear instruction label using graphics to show steps required to operate the extinguisher.

- Easy-to-pull safety pin
- Rust and impact resistant steel handle
- UL approved strap retention bracket
- Coast Guard (USCG) approved when fitted with supplied mounting bracket
- Class B & C Fires

BK **440161MTL**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SHIELD

2.5 LB. FIRE EXTINGUISHER

The Auto FX BC is a sodium bicarbonate extinguishing agent that is rated for B and C fires. Includes a rugged steel strap bracket with quick-release pull tab keeps unit secure and readily accessible. Designed to meet the demands of private and commercial vehicles, providing exceptional protection for your car, truck, boat or motorhome.

- Made in the USA
- UL and ULC Listed
- Trilingual labeling and packaging
- USCG and DOT approved
- Mounting hardware included

NSE **13415D**

SHIELD

10 LB. FIRE EXTINGUISHER

The Pro 480 multi-purpose extinguisher is a high-performance unit for both common combustible and flammable liquid fires. Meets the fire protection needs of most businesses and fulfills the NFPA's high hazard extinguisher requirements for business use as well as most state requirements.

- Made in the USA
- UL and ULC Listed
- Trilingual Labeling and Packaging
- USCG and DOT approved
- Mounting hardware included
- ABC classification

NSE **11340R**

10 LB. FIRE EXTINGUISHER

The Pro 480 multi-purpose extinguisher is a high-performance unit for both common combustible and flammable liquid fires. Meets the fire protection needs of most businesses and fulfills the NFPA's high hazard extinguisher requirements for business use as well as most state requirements.

- Made in the USA
- UL and ULC Listed
- Trilingual Labeling and Packaging
- USCG and DOT approved
- Mounting hardware included
- ABC classification

NSE **11340R**

5 LB. FIRE EXTINGUISHER

The Pro 340VB multi-purpose extinguisher meets the Federal Bureau of Motor Carrier's requirements for both commercial and private vehicles as well as having U.S. Coast Guard approval.

- Made in the USA
- UL and ULC listed
- Trilingual Labeling and Packaging
- USCG and DOT Approved
- ABC Classification
- Mounting Hardware included

NSE **25614R**

5 LB. FIRE EXTINGUISHER

The Pro 340VB multi-purpose extinguisher meets the Federal Bureau of Motor Carrier's requirements for both commercial and private vehicles as well as having U.S. Coast Guard approval.

- Made in the USA
- UL and ULC listed
- Trilingual Labeling and Packaging
- USCG and DOT Approved
- ABC Classification
- Mounting Hardware included

NSE **25614R**

2.5 LB. FIRE EXTINGUISHER

The Auto FX BC is a sodium bicarbonate extinguishing agent that is rated for B and C fires. Includes a rugged steel strap bracket with quick-release pull tab keeps unit secure and readily accessible. Designed to meet the demands of private and commercial vehicles, providing exceptional protection for your car, truck, boat or motorhome.

- Made in the USA
- UL and ULC Listed
- Trilingual labeling and packaging
- USCG and DOT approved
- Mounting hardware included

NSE **13415D**

SINGLE USE FIRE EXTINUISHER

The Auto FX is a multi-purpose monoammonium phosphate extinguishing agent that is rated for A, B and C fires. Includes a rugged steel strap bracket with quick-release pull tab keeps unit secure and readily available. Designed to meet the demands of private and commercial vehicles, providing exceptional protection for your car, truck, boat or motorhome.

- Made in the USA
- UL and ULC Listed
- Trilingual Labeling and Packaging
- USCG and DOT Approved

NSE **13315DAUT**

SAFETY SIGNS

Grab attention with these signs to ensure visibility. Contrasting colors help grab attention and large font ensures that the sign is easy to read.

- Durable and weather-resistant
- Contrasting colors attract attention
- Check local building code requirements for signs to ensure compliance

Part No.	Description	Size
NSE **839928**	For Sale	8" x 12"
NSE **839926**	For Rent	8" x 12"
NSE **839932**	For Sale (Year/Model/Phone)	8" x 12"
NSE **839950**	Yard Sale	8" x 12"
NSE **839896**	No Smoking	8" x 12"
NSE **839904**	No Trespassing	8" x 12"
NSE **839924**	Beware of Dog	8" x 12"
NSE **842192**	Customer Parking Only	19" x 15"
NSE **839902**	No Parking	8" x 12"
NSE **839898**	Keep Out	8" x 12"
NSE **839892**	Exit	8" x 12"
NSE **839888**	Business Hours	8" x 12"
NSE **843375**	Restricted Area	8" x 12"
NSE **842072**	Caution Hazardous Area	8" x 12"
NSE **839916**	Open/Closed	8" x 12"
NSE **839976**	Danger Restricted Area	8" x 12"

EAGLE

4 DRUM YELLOW LOW-PROFILE SPILL CONTAINMENT PALLET W/DRAIN

Eagle's (4) low-profile drum spill containment pallet is constructed of yellow high-density polyethylene (HDPE) for excellent durability and chemical resistance. It features a sump capacity of 66 gallons and includes Eagle's patented black HDPE flat top grating with a drain.

- Fork lift compatible
- Grating removes easily for cleaning
- Meets EPA requirements for secondary spill containment of hazardous materials (40 CFR 264.175)
- 8 in. H x 51.5 in. W
- 8,000 lbs. weight capacity

NSE **390-501**

EAGLE

1 DRUM MODULAR PLATFORM UNIT

Eagle's 1 drum modular platform is constructed of yellow high density polyethylene (HDPR) for excellent durability and chemical resistance. It features a sump capacity of 15 gallons and includes Eagle's patented black HDPE flat top grating. The design allows for multiple configurations and adds flexibility to your spill protection when used in conjunction with Eagle's 2 drum (*NSE* **390-505**) modular platform.

- Grating removes easily for cleaning
- Low profile allows for easy loading and unloading
- Platforms can be easily connected with built-in U-channels
- Meets EPA requirements for secondary spill containment of hazardous materials (40 CFR 264.175)
- 15 Gallon capacity, 2,000 lbs. weight capacity

NSE **390-506**

EAGLE

2 DRUM MODULAR PLATFORM UNIT

Eagle's 2 drum modular platform is constructed of yellow high density polyethylene (HDPE) for excellent durability and chemical resistance. It features a sump capacity of 30 gallons and includes Eagle's patented black HDPE flat top grating. The design allows for multiple configurations and adds flexibility to your spill protection when used in conjunction with Eagle's 1 drum (*NSE* **390-506**) modular platform.

- Fork lift compatible
- Grating removes easily for cleaning
- Platforms can be easily connected with built-in U-channels
- Compatible with Eagle's poly pallet ramp (*NSE* **390-513**) for easy loading and unloading
- Meets EPA requirements for secondary spill containment of hazardous materials (40 CFR 264.175)
- 30-Gallon capacity, 5,000 lbs. weight capacity

NSE **390-505**

EAGLE

2 DRUM CONTAINMENT PALLET WITH DRAIN

Eagle's 2 drum pallet is constructed of yellow high density polyethylene (HDPE) for excellent durability and chemical resistance. It features a sump capacity of 66 gallons and includes Eagle's patented black HDPE flat top grating with a drain.

- Grating removes easily for cleaning
- Fork lift compatible with convenient pockets
- Meets EPA requirements for secondary spill containment of hazardous materials (40 CFR 264.175)
- 66 Gallon capacity, 4,000 lbs. weight capacity

NSE **390-509**

EAGLE

2 DRUM BUDGET BASIN

Eagle's 2 drum budget basin is constructed of yellow high density polyethylene (HDPE) for excellent durability and chemical resistance.

- Made in USA
- Perfect low cost spill protection
- 34 Gallon capacity, 5,000 lbs. weight capacity

NSE **390-511**

4 DRUM BUDGET BASIN

Eagle's 4 drum budget basin is constructed of yellow high density polyethylene (HDPE) for excellent durability and chemical resistance.

- Made in USA
- Has a drain for easy cleaning
- Perfect low cost spill protection
- 66 Gallon capacity, 5,000 lbs. weight capacity

NSE **390-512**

POLY PALLET RAMP

The Eagle poly pallet ramp is constructed of yellow high density polyethylene (HDPE) for strength and durability. For easy loading and unloading on and off Eagle pallets and platforms.

- 8 in. H x 32 in. W

NSE **390-513**

POLYETHYLENE SAFETY WASTE CANS

Safety waste can with foot lever provides a fire-safe temporary storage of solvent rags, waste rags, shavings and other materials subject to spontaneous combustion. Polyethylene construction won't rust or dent and is resistant to most chemical compounds.

- Self-closing lid
- Flared base for added stability
- No seam, leakproof construction
- Molded handles for easy handling
- Can be used with or without a liner
- Exceeds FM standards for impact, stability and fire testing
- Exceeds performance standards at temperatures between -40°F to 140°F

NSE **390-507** 14 Gallon Waste Can
NSE **390-508** 6 Gallon Waste Can

2-DOOR FLAMMABLE LIQUID SAFETY CABINET

Eagle's 45 gallon, two door manual close, flammable liquid safety cabinet is constructed of 18-gauge steel. The sides, top, bottom and doors are double-walled with a 1½ inch air space between walls. Includes two vents, each have 2 inch threaded fittings and a fire baffle and cap. Cabinets have a high gloss powder-coat finish with red trilingual warning, plus grounding attachment, 3-point latch system, and 2 inch raised, leakproof door sill.

- Continuous piano hinges
- Flush mounted door handle with key lock
- Internal and external welded construction
- Lead-free, high-gloss, backed on powder-coat finish
- Cabinets are FM-Approved and meet NFPA code 30 and OSHA requirements
- Each shelf is adjustable on 3 inch centers, supported by 4 brackets, with a 350 lbs. safe allowable load
- Steel

NSE **390-502**

⚠ WARNING: This product can expose you to Lead, which is known to the state of California to cause cancer, For more information to go www.P65Warnings.ca.gov.

TWO DOOR SELF-CLOSING FLAMMABLE LIQUID SAFETY CABINET

Eagle's 45-gallon, two door self-closing, flammable liquid safety cabinet is constructed of 18-gauge steel. The sides, top, bottom and doors are double-walled with a 1½ inch air space between walls. Includes two vents, each have 2 inch threaded fittings and a fire baffle and cap. Cabinets have a high gloss powder-coat finish with red trilingual warning, plus grounding attachment, 3-point latch system, and 2 inch raised, leakproof door sill.

- Continuous piano hinges
- Flush-mounted door handle with key lock
- Internal and external welded construction
- Lead-free, high-gloss, baked on powder coat finish
- Cabinets are FM-Approved and met NFPA code 30 and OSHA requirements
- Each shelf is adjustable on 3 inch centers, supported by 4 brackets, with a 350 lbs. safe allowable load

NSE **390-503**

⚠ WARNING: This product can expose you to Lead, which is known to the state of California to cause cancer, For more information to go www.P65Warnings.ca.gov.

EAGLE

TWO DOOR MANUAL CLOSE FLAMMABLE LIQUID SAFETY CABINET

Eagle's 60 gallon, two door manual close, flammable liquid safety cabinet is constructed of 18-gauge steel. The sides, top, bottom and doors are double-walled with a 1½ inch air space between walls. Includes two vents, each have 2 inch threaded fittings and a fire baffle and cap. Cabinets have a high gloss powder coat finish with red trilingual warning, plus grounding attachment, 3-point latch system, and 2 inch raised leakproof door sill.

- Continuous piano hinge
- Flush mounted door handle with key lock
- Internal and external welded construction
- Lead-free, high-gloss, baked-on powder finish
- Cabinets are FM-Approved and meet NFPA code 30 and OSHA requirements
- Each shelf is adjustable on 3 inch centers, supported by 4 brackets, with a 350 lbs. safe allowable load

NSE **390-504**

⚠ **WARNING: This product can expose you to Lead, which is known to the state of California to cause cancer, For more information to go www.P65Warnings.ca.gov.**

2-DOOR MANUAL CLOSE FLAMMABLE LIQUID SAFETY CABINET

Eagle's 30 gallon, two door manual close, flammable liquid safety cabinet is constructed of 18-gauge steel. The sides, top, bottom and doors are double-walled with a 1½ inch air space between walls. Includes two vents, each have 2 inch threaded fittings and a fire baffle cap. Cabinets have a high gloss powder coat finish with red trilingual warning, plus grounding attachment, 3-point latch system, and 2 inch raised, leakproof door sill.

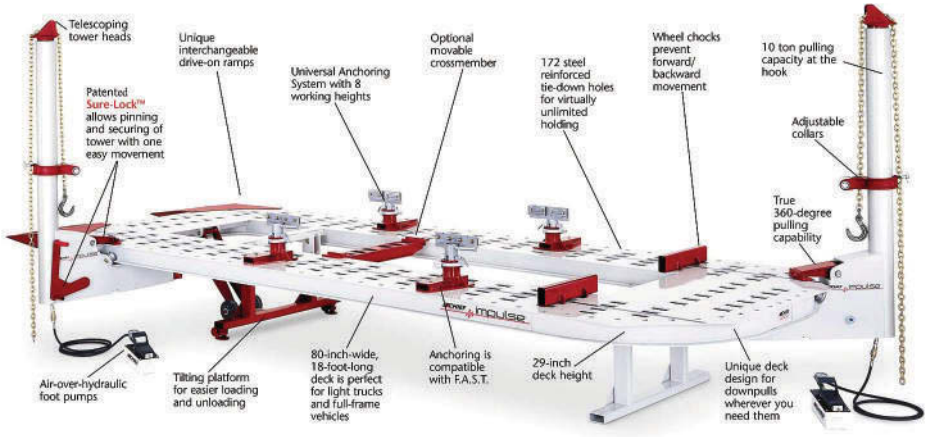
- Continuous piano hinges
- Flush mounted door handle with key lock
- Internal and external welded construction
- Lead-free, high-gloss, backed-on powder finish
- Cabinets are FM Approved and meet NFPA code 30 and OSHA requirements
- Each shelf is adjustable on 3 inch centers, supported by 4 brackets, with a 350 lbs. safe allowable load

NSE **390-510**

⚠ **WARNING: This product can expose you to Lead, which is known to the state of California to cause cancer, For more information to go www.P65Warnings.ca.gov.**

AC Static 1005
Air Hose Couplers & Plugs 1011
Air Sanders 1003-1004
Air Sanders & 1005
Blasters, Accessories & Air Sanders 1002
Body Tools 1012-1015
Caulk Gun 1022
Dent Removal 1020
Door Aligners 1022
Frame Racks 998-999
Headlamp Alignment Systems 1023
Headlight Adjusting Tool 1022
Lockout Tools 1021-1022
Paint Removal Tool 1006
Polishers 1005
Polishing Bonnets 1008
Polishing, Surface Conditioning & Compounding Pads 1006-1008
Rivet Tools 1016-1018
Spray Paint Equipment 1009-1010
Thread Setters 1019
Welders 1000-1001
Wheel Aligners 999-1000

CHIEF automotive technologies


Telescoping tower heads
Unique interchangeable drive-on ramps
Universal Anchoring System with 8 working heights
Optional movable crossmember
172 steel reinforced tie-down holes for virtually unlimited holding
Wheel chocks prevent forward/backward movement
10 ton pulling capacity at the hook
Patented Sure-Lock™ allows pinning and securing of tower with one easy movement
Adjustable collars
True 360-degree pulling capability
Air-over-hydraulic foot pumps
Tilting platform for easier loading and unloading
80-inch-wide, 18-foot-long deck is perfect for light trucks and full-frame vehicles
Anchoring is compatible with F.A.S.T.
29-inch deck height
Unique deck design for downpulls wherever you need them

IMPULSE TILT 18 FT. 2 TOWER

Drive-on ramps and a tilting platform. Plus an affordable price tag.

The new Chief impulse will help you increase your shop's productivity and profitability. The impulse comes with two 10 ton towers, and additional towers can be added for increased pulling capabilities.

The tilting platform and drive-on interchangeable ramps keep loading and unloading faster and safer. impulse also comes with Chief's Universal Anchoring System with eight working heights, so techs can adjust it to most vehicles for precise four-point positioning.

Specifications

Deck Length:.....18' (5,5 mm)
Deck Width:.....6'8" (2,030 mm)
Working Height:.....(from floor to top of mainframe) 26.5" (.67m)
Maximum Length (drive-on ramps included):.....19'8" (6m)
Maximum Length (towers extended to both ends):.....22' (6.7m)
Maximum Width (Footprint):.....6'8" (2.03m)
Maximum Height:.....7'6" (2.28m)
Height (with tower rams extended up):.....8'2" (2.48m)
Weight:.....3,700 lbs. (1,678 kg)
Lift Capacity:.....6,000 lbs. (2,721 kg)
Pulling Force Per Tower:.....10-Ton
Radius of Pull:.....360 degrees
Controls:.....Air-Over-Hydraulic Foot Pump
Clearance (recommended on all sides):.....2'2" (.66m)
Tie-Down Openings:.....172
Tie-Down Openings (with optional cross-member):.....178
Power Required:.....100 PSI Air Supply (7.0 Bar)

CTL **450010**

⚠ WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

CHIEF automotive technologies

IMPULSE-E/VHT FRAME RACK

10,000 lb. Lift Capacity

This system can handle most jobs, including today's light trucks and smaller SUVs – at a price that represents a tremendous value. The tilting platform and drive-on interchangeable ramps keep loading and unloading faster and safer.

- 10 tons of pull at the hook with true 360 degree capability
- Simultaneous pulling at six variable working heights
- Unique tower design that allows ganging around the deck – even at the corners!
- Chief's innovative deck design for virtually unlimited holding and positioning options
- 18' or 20' lengths available

Specifications

Deck Length..... 18' (5.5m)
Maximum Length .....(drive-on ramps included) 19'8" (6m)
Maximum Length ..(deck tower on one end, ramp on other) 21'8" (6.6m)
Maximum Length .....(towers extended to both ends) 22' (6.7m)
Deck Width ..... 6'8" (2.03m)
Maximum Width ..... (with towers extended to each side) 10'8" (3.25m)
Height..... 7'6" (2.28m)
Height.....(with tower rams extended up) 8'2" (2.48m)
Weight .....3,700 lbs. (1,678 kg)
Lift Capacity ..... 10,000 lbs
Power Required..... 100 PSI Air Supply (7.0 Bar)
Pulling Capacity ..... 10 Ton
Radius of Pull.....360 degrees
Controls..... Air-Over-Hydraulic Foot Pump
Clearance .....(recommended on all sides) 2'2" (.66m)
Working Height ..... (from floor to top of mainframe) 26.5" (.67m)
Tie-Down Openings 172
Tie-Down Openings with optional crossmember 178

Item No.	Description
CTL **450436**	20/18' EVHT
CTL **450437**	30/18' EVHT
CTL **450438**	40/18' EVHT
CTL **450430**	20/20' Wide Track EVHT
CTL **450431**	30/20' Wide Track EVHT
CTL **450432**	40/20' Wide Track EVHT

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

HOFMANN

GEOLINER® 770 WHEEL ALIGNER

- Exclusive fully portable system
- Automatic tracking camera beam
- Integrated OEM alignment procedures and TSBs
- Touchless AC400 clamps
- Audit mode included
- VIN scanner included

HOF **EEWA752BV3**

compatible with EZ ADAS RECALIBRATION SYSTEM

HOFMANN

GEOLINER® 660 WHEEL ALIGNER

- Intelligent, next-generation user interface
- Video camera alignment monitoring
- Guided adjustments and critical notifications
- OEM specifications and fast vehicle selection
- Advanced XD targets and AC200 clamps

HOF **EEWA712TH3**

HOFMANN

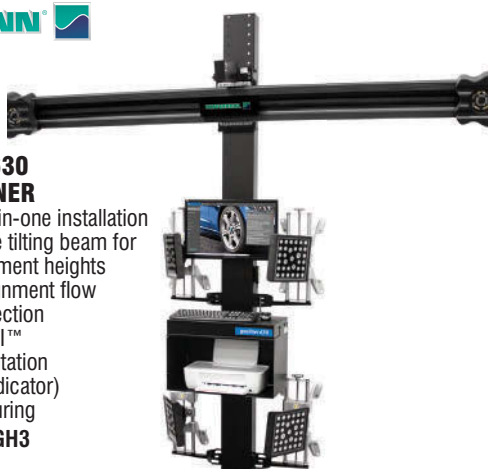
GEOLINER® 678 WHEEL ALIGNER

- Advanced imaging technology for accurate, real-time measurements
- User-friendly, intuitive software
- Touchless AC400 clamps
- Audit mode included
- VIN scanner included

HOF **EEWA715TBV3**

Wheel Aligners & Welders

HOFMANN



GEOLINER® 630 WHEEL ALIGNER

- Compact, all-in-one installation with exclusive tilting beam for multiple alignment heights
- Predictive alignment flow and error detection
- Patented VODI™ (Vehicle Orientation Directional Indicator) guided measuring

HOF **EEWA721GH3**

ROTARY

R1070 CCD SHOP | WHEEL ALIGNMENT SYSTEM

The 1070 wireless aligners is the total package when it comes to 3D wheel alignment. Simply access programs by selecting 5 command keys that guide the alignment tech through the step by step measuring process.

- Bluetooth Transmission
- Quick Charge Supports
- 19" Color display
- 8-CCD Sensor
- Wheeled Control Unit
- Safe Print Documentation
- 3D Graphic Animation Interface
- 2 Front and Rear Measuring Heads
- 2 Pair of STDA33EU Three Point Clamps

RTY **RWA7080WS**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

ROTARY

R5000HD | CTA WHEEL ALIGNMENT SYSTEM

See significantly higher income production with much faster operating times without any loss of accuracy. Suited for larger commercial vehicles. No run out clamps enable user to skip out of any compensation procedures. Infra-red transmission among measuring heads.

- 6-CCD Sensor System
- Standard Fast Clamps
- Bluetooth Communication
- No Run-out Compensation
- 19" Color Monitor

RTY **RWA1060TWS**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

CHIEF automotive technologies

MULTITOOL DENT REPAIR STATION

Dent repair station with all the tools required for aluminum and steel sheet metal body repairs

- MultiSpot M30 Aluminum and Steel spot welder capacitor discharge stud welder, complete with stud gun and 2-clamp grounding cables
- Anodized aluminum pulling bar kit (90 cm) with mobile feet and 10 x 10 cm pivoting bases
- Anodized aluminum pulling system for smaller jobs
- Hammer kit with 4 anodized aluminum hammers
- Heat gun
- Heat shield gel
- An angled air die grinder
- A starter kit of aluminum studs, zinc-plated steel eye-bolts and a plastic case

CTL **EL930013**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

CHIEF automotive technologies

MULTIMIG 522 DOUBLE PULSE WELDER

The MultiMig 522 Double Pulse is a MigMag inverter synergic welding machine with pulse and double pulse functions, capable of welding and brazing galvanized steel, high strength steel, and aluminum alloys. The machine has two separate gear motors, which allow it to use two separate reels. The standard torches allow for customization and simultaneous use for different materials.

- Capable of welding and brazing aluminum alloys, galvanized sheet metal, stainless, and high strength steel
- Two-roller wire feed that can weld very thin aluminum with full penetration without burn-through
- Includes a complete set of synergic programs in memory for brazing, welding and aluminum wire
- Two types of torches are standard - a standard MIG torch and the unique push-pull torch
- The Push-pull system torch has an up-down digital current adjust at your finger tip
- Manual adjustment of welding current, wire speed, and material thickness
- Can operate in pulse synergic, synergic, or conventional mode
- Double Pulse feature - mechanically and electrically controls the welding parameters to achieve a TIG-looking (fish scale) weld bead
- Built-in cart to hold the gas cylinder and for easy welder handling

CTL **EL900010**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

INDEX

MOTOR GUARD

MAGNA-SPOT STUD WELDER KIT

The ultimate dent removal tool! Redesigned, low-heat transformer is perfect for use on high-strength steel, uni-body cars. Magna-Spot's light touch allows for the quick removal or shrinking of awkward dents, as well as the replacement of body trim studs without the time-consuming, inefficient drilling of holes. UL-approved components, cannot overload, and has easy and fast changes of electrodes. Comes in molded case.

Specifications

Electrical Rating: 120V 1ø 15A*
Nominal Welding Current:..... 1500A
Duty Cycle: ... 2%, 1 Sec. On, 60/Hr.
Magna Slide Hammer®:..... Deluxe
Magna Clamp®:.....Standard
Magna T-Puller®:.....Standard
Magna Rivet Puller®: .....Optional
Magna Claw®:.....Optional
Draw Pin:.....Standard
Trim Rivet: .....Standard
Extension:.....Optional
Round Washer: .....Optional
Magna Wire®: .....Standard
Shrinking: .....Standard
Draw Pin 2.0mm:..... Pk./250
Draw Pin 2.5mm:..... Pk./250
Trim Rivet: Pk./150
Round Washer: .....Optional
Magna Wire® 16 Ga.: .....Optional
Magna Wire® 12 Ga.: .....Optional
Case:.....Molded Carry
Shipping Weight::.....28 lbs.

*** Denotes single phase**

BK **821-5468** Stud Welder Kit
BK **770-3532** Replacement Rivets (Bag of 500)

MOTOR GUARD

MAGNA DRAW PINS

Rugged steel, copper-coated pins deliver a pull that exceeds shop requirements, yet they are soft enough for close-in pulls, or easy flexing and grinding. Fits all welders, and also for use with Stud Welder (*BK* **821-5468**). 500 per bag.

BK **770-3533** 2.0 mm
BK **770-3534** 2.5 mm

MOTOR GUARD

MAGNA CLAMP

Heat-treated, hardened steel clamp features wing nut tightening, making your job fast and easy. For use with Stud Welder (*BK* **821-5468**).

BK **770-3535**

E-Z RED Innovative products since 1966.

EZLINE® LASER MULTI-ALIGNMENT TOOL

Makes obtaining alignment readings on most trailer types, from RVs to commercial trailers, very simple and fast.

- Multi-purpose measurement capabilities, saves time and money
- For heavy trucks and all types of trailers
- E-Z, fast, precise axle and wheel alignment
- All measurements can be made in less than 10 minutes
- Simple two-step instructions
- Compact design, easy transport and storage

SER **EZLINEB1SW**

Exclusive YouTube Broadcast Yourself™ videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

CHIEF automotive technologies

CTL **CEL021457**

MI200T SPOT WELDER

- Simple to use LCD user interface
- Ergonomic and lightweight pliers
- Up to 14500A output power at 40% less input power*
- High duty cycle without waiting for cool down
- Liquid cooled to the tips
- Nearly 20' of welding cable provides increased reach
- C-pliers with multiple size arms available

CTL **CEL025000**

Specifications

Power Supply:.....208-240V (3 phase)
Fuse: ..... 40 A slow blowing
Frequency:.....50/60 Hz
Supply Power:.....14 kVA (80 kVA max)
Nominal Power by 50% ED:.....20 kVA
Welding Current Max.:..... 14,500 A DC (at 230V)
Pliers Weight:.....23.1 lbs. (10.5 kg)
Dimensions H X W X D:..... 36.4" X 25.6" X 31.5"
..... (92.5 X 65 X 80 cm)

Item No.	Description
CTL **CEL025000**	Spot Welder
CTL **CEL021457**	C Arm Kit

***Power usage compared to standard cable pliers welders**

⚠ WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Blasters, Accessories & Air Sanders

SIPHON BLASTER

Lightweight, portable blasters for use with abrasive or liquids. Use liquids only with Bottle Blaster. Inexpensive, and easy to set up and operate. For use on: metal, wood, cement, plastic, or other surfaces with recommended pressure and abrasive. Four different models. Two-year warranty.

Specifications

Air Pressure: ..... 80-125 PSI
Steel Nozzle Size: ..... (1) 1/4"
Air Jet Size: ..... (1) 1/8"
Blast Time: ..... 5-10 min.
Min. Air Vol. @ 80 PSI: ..... 15 cfm
Container Volume: ..... 1 qt.
Approx. Capacity: ..... 4 lbs.
Height: ..... 10"
Shipping Weight: ..... 2 lbs.

BK **770-7645**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HANDHELD BOTTLE ABRASIVE BLASTER GUN

Lightweight, portable handheld unit for use with abrasives or liquids. Easy setup.

Specifications

Capacity: ..... One Quart
Maximum Pressure: ..... 125 PSI
CFM: ..... 15@80 PSI
Steel Nozzle: ..... 1/4"
Air Jet: ..... 1/8"
Blast Time: ..... 5-10 Min.
Approx. Abrasive Capacity: ..... 4 lbs.

BK **770-5053**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SPOT BLASTER

The perfect tool for small jobs! Self-recycling and dust-free, with 5/16" ceramic nozzle. Four optional head accessories available for edge, inside corner, outside corner, and mini-spot. Includes abrasive. Air pressure: 80-125 PSI. Minimum air volume: 7-15-20 CFM. Shipping weight: 3 lbs.

BK **770-7646**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PORTABLASTER SANDBLAST GUN

Lightweight, portable sandblaster can be used with abrasives or liquids. Easy setup with unlimited capacity and blast time.

Specifications

Maximum Pressure: ..... 125 PSI
Minimum CFM: ..... 7 @80 PSI
Air Jet Size: ..... 5/67", 1/8"
Steel Nozzles: ..... 13/64", 1/4"
Hose Size: ..... 3/8" x 10'

BK **770-5052**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SIPHON BLASTER ACCESSORIES

BK **770-9010**

BK **770-9013**

BK **770-9016**

Item No.	Description
BK **770-9010**	Air Jet 5/64" Small, Gold
BK **770-9011**	Air Jet 1/8" Medium, Silver
BK **770-9012**	Air Jet 5/32" Large, Black
BK **770-9013**	Steel Nozzle 13/64" (7 CFMS @ 80 PSI.)
BK **770-9014**	Steel Nozzle 1/4" (15 CFMS @ 80 PSI.)
BK **770-9015**	Steel Nozzle 5/16" (20 CFMS @ 80 PSI.)
BK **770-9016**	Ceramic Nozzle 13/64" (7 CFMS @ 80 PSI.)
BK **770-9017**	Ceramic Nozzle 1/4" (15 CFMS @ 80 PSI.)
BK **770-9018**	Ceramic Nozzle 5/16" (20 CFMS @ 80 PSI.)

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

HOODS

BK **770-7647**

BK **770-7648**

BK **770-9007**

Item No.	Description
BK **770-7647**	Light Duty Soft Hood
BK **770-7648**	Light Duty w/Bump Cap
BK **770-9007**	Premium Fabric Hood
BK **770-7649**	Replacement Lens 5" x 6" for *BK* **770-7647** and *BK* **770-9007**, *BK* **770-7648**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

PRESSURE BLASTER CERAMIC NOZZLES & SEALING BLOCKS

BK **770-9020**

Item No.	Description
BK **770-9020**	3/32" (7 CFMS @ 80 PSI.)
BK **770-9021**	1/8" (15 CFMS @ 80 PSI.)
BK **770-9022**	5/32" (25 CFMS @ 80 PSI.)
BK **770-9023**	3/16" (40 CFMS @ 80 PSI.)
BK **770-9024**	1/4" (80 CFMS @ 80 PSI.)
BK **770-9019**	Square Sealing Block (pkg. three).

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DUAL PISTON STRAIGHT LINE SANDER

Sanding pad not included.

NPT **6-8222**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CRAFTSMAN

CORDLESS RANDOM ORBIT SANDER

CRAFTSMAN®, an authentic American icon. For nearly a century we've been the brand homeowners, home builders, auto enthusiasts, and master mechanics trust. Today's CRAFTSMAN continues that legacy.

- POWERFUL MOTOR: Provides 12,000 OPM for fast material removal
- DURABILITY: Dust sealed switch provides added durability
- HIGH PERFORMANCE: Dust collection featuring dust bag and 1¼ vacuum connection
- VIBRATION REDUCTION: Low profile and lightweight for added control and vibration reduction

CTM **CMCW220B**

CARLYLE TOOLS by NAPA

6 IN. HEAVY-DUTY DUAL-ACTION RANDOM ORBITAL SANDER

NPT **6-915** 6" Heavy-Duty Dual-Action Random Orbital Sander

NPT **6-5416** 6" Foam Backing Pad Replacement

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

5 IN. DUAL-ACTION RANDOM ORBITAL AIR SANDER

Backing pad included.

Item No.	Description
NPT **6-1023**	5" Orbital Air Sander
NPT **6-5419**	5" Hook & Loop Face Replacement Pad
NPT **6-5420**	5" Pressure Sensitive Adhesive Face Replacement Pad

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3 IN. DUAL-ACTION RANDOM ORBITAL AIR SANDER

Buffing pad included.

Item No.	Description
NPT **6-1022**	3" Orbital Air Sander
NPT **6-5417**	3" Hook & Loop Face Replacement Pad
NPT **6-5418**	3" Pressure Sensitive Adhesive Face Replacement Pad

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3 IN. AIR MINI RANDOM ORBITAL SANDER

- Light weight pistol grip design with ergonomic 2 finger trigger
- Includes 3" ROLOC™ by 3M™ disc holder

NPT **6-1025**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

6 IN. DUAL-ACTION SANDER

BK **776-9263**

⚠ **WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

⚠ **WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

6 IN. HIGH-SPEED ROTARY SANDER

Item No.	Description
NPT **6-2100**	High-Speed Sander
NPT **6-5403**	Three Piece Fiber Backing Pad Set
NPT **6-5404**	4½" Fiber Back Plate
NPT **6-5405**	5½" Fiber Back Plate

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

Specifications

	NPT **6-915**	*NPT* **6-1023**	*NPT* **6-1022**	*BK* **776-9263**	*NPT* **6-2100**	*NPT* **6-1025**
Free Speed RPM	12,000	12,000	12,000	10,000	12,000	15,000
Pad Size (In.)	6"	5"	3"	6"	6"	3"
Spindle Thread (In.)	5/16-24	5/16"-24	5/16"-24	5/16-24	5/16-24	3/8"
Average Air Cons. (cfm)	8	8	8	2.8	8	4
Air Cons. @ Load (cfm)	16	15.5	15.5	16	16	16
Dimensions (H x L - In.)	4.1" x 7.3"	6"	4"	4.1" x 8.7"	4.1" x 9.1"	3.7"
Net Weight (Lb.)	1.74	1.7	1.1	3.68	1.84	1.5
Pad Type	PSA	H&L / PSA	H&L / PSA	PSA	PSA	H&L
Air Inlet NPTF	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Vacuum	NV	NV	NV	NV	NV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

www.toolwarrantyrepair.com

Air Sanders & Polishers

DEWALT

Item No.	Orbital Palm Sanders *DEW* **DWMT70781L**	High Speed Random Orbit Sanders *DEW* **DWMT70780**
Free Speed RPM	12,000	11,000
Pad Size (In.)	6	6"
Spindle Thread (In.)	5/16"-24	—
Average Air Cons. (cfm)	2.2	2.7
Dimensions (H x L - In.)	3.5" x 6.5"	10.6" L
Net Weight (Lb.)	2.0 lbs	5.32
Pad Type	H&L	PSA
Air Inlet NPTF	1/4"	1/4"
Vacuum	NV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

www.toolwarrantyrepair.com

CRAFTSMAN

CORDED POLISHERS

10 In. Variable Speed Corded Polisher

Kit Item No.	*CTM* **CMEE100**
Tool Only Item No.	—
Amps	6
Orbits/Min	
Pad Size (In.)	
Pad Type	
Tool Weight	

CORDED POLISHERS

DEWALT

7 In. / 9 In. (177.8mm / 228.6mm) Variable Speed Polisher w/ Soft Start

DEWALT

7In. / 9In. (177.8mm / 228.6mm) Variable Speed Polisher

PORTER CABLE

6 In. Corded Variable-Speed Random-Orbit Polisher

Item No.	*DEW* **DWP849X**	*DEW* **DWP849**	*DEW* **7424XP**
Amps	12 AC Amps	12 AC Amps	12.0 AC Amps
Max Watts Out	1,250 W	1,250 W	1,250 W
No Load Speed	0-600 / 0-3,500 rpm	0-600 / 0-3,500 rpm	0-600/0-3,500 rpm
Spindle Thread	5/8"-11	5/8"-11	5/8"-11
Spindle Lock	Yes	Yes	Yes
Tool Length	17.3"	17.3"	17.3"
Tool Weight	6.7 lbs.	6.7 lbs.	6.6 lbs.

CORDELESS POLISHERS

DEWALT

20V MAX* XR® 5 in. (125mm) Cordless Variable Speed Random Orbit Polisher Kit

DEWALT

20V MAX* 7In Vs Rotary Polisher Kit

Kit Item No.	*DEW* **DCM848P2**	*DEW* **DCM849P2**
Tool Only Item No.	*DEW* **DCM848B**	*DEW* **DCM849B**
Volts	20V Max*	20V Max*
Orbits/Min	2000-5500	No-load speed of 800-2200 RPM
Pad Size (In.)	5"	
Pad Type	H&L	
Tool Weight	5.5 lbs.	4.8 lbs.(toool only)
Charger/Battery	Charger / , (2) 20V Max* 6Ah Batteries	*DEW* **DCB115** Charger, (2) *DEW* **DCB205** 5.0Ah batteries
Includes	Charger (*DEW* **DCB115**), (2) 20V Max* 6Ah batteries (DEW **DCB206**), 5" backing plate, Side Handle, Torx Key and kit bag	*DEW* **DCM849** Rotary Polisher, 7 in. backing plate, Side HandleBail Handle, *DEW* **DCB115** Charger, (2) *DEW* **DCB205** 5.0Ah batteries, Kit Bag

MIL **2438-22X**

MIL **2738-21**

CORDLESS POLISHER

Kit Item No.	*MIL* **2438-22X**	*MIL* **2738-21**
Tool Only Item No.	*MIL* **2438-20**	*MIL* **2738-20**
Volts	12	18
Modes	Polishing/Sanding	Polishing
Max Speed	2,800/8,300 RPM	2,200 RPM
Weight	1.5 lbs	4.8 lbs
Charger/Batteries	All M12 Batteries and Chargers	All M18 Batteries and Chargers
Includes	(1) M12™ Variable Speed Polisher/Sander (Tool Only) (*MIL* **2438-20**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**) (1) M12™ XC High Capacity REDLITHIUM™ Battery (*MIL* **48-11-2402**) (1) M12™ REDLITHIUM™ CP1.5 Battery Pack (*MIL* **48-11-2401**) (1) 5 PC Accessory Pack: (1) 3" polishing backing pad; (1) 2" sanding backing pad; (1) wool pad; (1) yellow foam pad; (1) white foam pad (1) Side Handle (1) Carrying Case	(1) M18 FUEL 7" Variable Speed Polisher (Tool Only) (*MIL* **2738-20**) (1) M18 XC 8.0 High Output Battery Pack (*MIL* **48-11-1880**) M18 and M12 Rapid Charger (*MIL* **48-59-1808**) Storage Bag

NPT **6-1026**

NPT **6-1027**

3 IN. ROTARY MICRO POLISHER KIT

Includes backing pad.

NPT **6-1027** Micro Polisher Kit

Contents

Item No.	Description
NPT **6-1026**	3" Micro Polisher Tool
NPT **6-1033**	3" Hook-&-Loop Backer Pad
NPT **6-1034**	3" Hook-&-Loop Wool Compounding Pad
NPT **6-1035**	3" Hook-&-Loop White Compounding Pad
NPT **6-1036**	3" Hook-&-Loop Yellow Polishing Pad
—	Spanner Wrench (17mm)
—	Blow Mold Case

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

NEUTRALIZER AC STATIC ELIMINATION SYSTEM

Neutralizer anti-static blow-off gun features specialty ionizers for the auto body industry to eliminate surface contamination, allowing you to keep the surface clean so you can avoid unnecessary reworking, saving both time and money.

- Shorter prep time
- Used for painting, coating, detailing, collision repair, restoration, and glass
- Increases productivity and profitability
- Minimizes reworking, wet sanding and buffing time
- ¼ In. NPT Female pipe thread size
- 50 PSI
- Max. 104° F temperature range

Item No.	Description
BK **770-2515**	Neutralizer AC Static Elimination System
BK **770-2516**	Replacement Lithium Ion Battery
BK **770-2517**	Replacement Battery Charger
BK **770-2518**	Replacement Filter Kit
BK **770-2519**	Replacement Point Kit; 5 Emitter Pin Pack

⚠ **WARNING: This product can expose you to Lead which is known to the State of California to cause cancer and reproductive harm. Fore more information go to www.P65Warnings.ca.gov.**

INDEX

CARLYLE TOOLS by NAPA

MEGA BLASTER PAINT REMOVAL TOOL

Used for removal of rust, paint, gaskets, adhesive residue, seam sealers and automotive coverings without heat build-up. Double planetary gearing for increased power and longer life. Tool has a comfort-grip design and a totally adjustable top handle for complete control. Built-in variable speed safety lever throttle and rear exhaust to direct the tool exhaust away from the work.

Item No.	Description
NPT **6-1040**	Mega Blaster Paint Removal Tool Kit
NPT **6-1039**	Mega Blaster Paint Removal Tool Only
NPT **6-1041**	Mega Blaster Center Hub Accessory Holder
NPT **6-1042**	Mega Blaster Eraser
NPT **6-1043**	Mega Blaster Stripping Wheel
NPT **6-1045**	Fine Replacement Wire Wheel Parts
NPT **6-1046**	Coarse Replacement Wire Wheel Parts

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

NPT **6-1040**

NPT **6-1041**

Kit Contents

Item No.	Description
NPT **6-1039**	Metal Blaster Tool
NPT **6-1041**	Eraser and Wire Belt Adapter
NPT **6-1042**	Decal and Pinstripe Removal Eraser
NPT **6-1043**	Rust and Paint Removal Wheel
NPT **6-1045**	Fine Bristle Wire Belt
NPT **6-1046**	Course Bristle Wire (Set of 2)
—	1/4" Adapter Plug
—	Blow Mold Case

Specifications

Item No.	Stroke/Revolutions Per Min.	Length	Weight	Air Inlet	Min. Hose Size	Avg. Air Consumption
NPT **6-1039**	4,000 RPM	11.2"	2.7 lbs.	1/4"-8 NPT	3/8" ID	3.5 CFM

CARLYLE TOOLS by NAPA

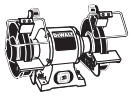
SANDER BACKING PLATE/PAD

Hook-and-loop backing pad fits tools with 1/4" - 20 thread. Diameter: 3".

NPT **6-1033**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DEWALT



DEW **DW4988**

DEW **DW4985CL**

POLISHING PADS

Item No.	Dia.	Arbor	Material	Pack Qty.
DEW **DW4988**	7"	–	Wool	1
DEW **DW4989**	7"	–	Cotton Blend	1
DEW **DW4985CL**	7"	5/8"-11	Cotton & Backing Pad	1

CARLYLE TOOLS by NAPA

FOAM BUFFING/ POLISHING PAD

Soft, pliable and tough. Hook-and-loop design dissipates heat and is machine washable. Use with a three-inch hook-and-loop backing pad (*NPT* **6-1033**.) Ideal for polishing, compounds, oxidation, removing wax and buffing scratches. Diameter: 3". Color: Yellow.

NPT **6-1036**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FOAM BUFFING/POLISHING PAD

Durable, heavy-duty foam is machine washable. Hook-and-loop backer provides balance, distributing product evenly and consistently. Removes scratches, swirls and other small imperfections. Use with *NPT* **6-1033.** Diameter: 3". Color: White.

NPT **6-1035**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WOOL BUFFING/POLISHING PAD

Soft-blend wool reinforced by firm hook-and-loop backing. Ideal for compounds, oxidation and removing wax or scratches. For use with 3" hook-and-loop backing pad (*NPT* **6-1033**.) Diameter: 3".

NPT **6-1034**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Surface Conditioning Discs & Compounding Pads

CARLYLE TOOLS by NAPA

NPT **6-5403**

NPT **6-5404**

NPT **6-5405**

NPT **6-5415**

NPT **6-5417**

NPT **6-5419**

SURFACE PREPARATION BACKING PADS & PLATES

Item No.	Description
NPT **6-5403**	Fiber Backing Pad Set, 3 Pc.
NPT **6-5404**	Fiber Backing Plate, 4½"
NPT **6-5405**	Fiber Backing Plate, 5½"
NPT **6-5415**	Foam Backing Pad, 5" DA
NPT **6-5416**	Foam Backing Pad, 6" DA
NPT **6-5417**	Hook-&-Loop Backing Pad, 3"
NPT **6-5419**	Hook-&-Loop Backing Pad, 5"
NPT **6-5418**	PSA Backing Pad, 3"
NPT **6-5420**	PSA Backing Pad, 5"

⚠ **WARNING: (*NPT* 6-5403, *NPT* 6-5404, *NPT* 6-5405, *NPT* 6-5415 and *NPT* 6-5416) Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

⚠ **WARNING: (*NPT* 6-5417, *NPT* 6-5418, *NPT* 6-5419 and *NPT* 6-5420) This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MICRO BUFFING & POLISHING STARTER KIT

Contains one each of the following: Tuffer Buffer™ 100% 4-ply wool curved edge micro compounding and buffing pad, Spin Brite™ single ply micro polishing pad, Yellow Speedy Foam™ micro buffing pad with loop backing, Black Speedy Foam™ micro polishing pad and loop backing, DA pneumatic adapter and micro hook backing plate.

BK **760-1325**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

STANDARD TUFTED COMPOUNDING PAD

100% twisted 4-ply wool yarn. Bloomed to give the pad a dense body. Curved edge for perfection. Dissipates heat, washable and has perfect balance. Wool absorbs excess compounding material. Main uses: compounding, cutting, buffing.

BK **760-1240**

Part No.	Description
BK **760-1240**	7.5" diameter, 1" wool length, ⅞ arbor hole.
BK **760-1241**	8.0" diameter, 1" wool length, ⅞ arbor hole.
BK **760-1255***	7.5" diameter, 1" wool length, ⅞ arbor hole.
BK **760-1215***	7.5" diameter, 1.5" wool length, ⅞ arbor hole.

*With loop backing, which speedily attaches to *BK* **760-1213** Hook Backing Plate or bolts on to standard backing plate.

RETAIL COMPOUNDING PAD

100% twisted 4-ply wool yarn. Bloomed to give the pad a dense body. Curved edge for perfection. Dissipates heat, washable and has perfect balance. Wool absorbs excess compounding material. Mounted to back plate with ¼ in. spindle. For use on ¼ in., ⅜ in., ½ in. drills. Main uses: compounding, polishing. 5.5 in. dia., 1 in. wool length.

BK **760-1250**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

DOUBLE-SIDED COMPOUNDING PAD

Built-in back plate. 100% twisted 4-ply wool yarn bloomed to give the pad a dense body. Dissipates heat, washable. Wool absorbs excess compounding material. Easy-to-use and flexible. Use with extender bolt *BK* **760-1219**. Main uses: compounding, buffing. 8.0 in. dia., 1.25 in. wool length.

BK **760-1206**

KNIT WOOL POLISHING PAD

Plush blend of wool fibers reinforced with plastic and canvas backing. Curved edge. Washable. Perfect balance. Main uses: removing wax, polishing. 8.0 in. dia., 1.5 in. pile length, ⅞ arbor hole.

BK **760-1207***

* With loop backing, which speedily attaches to *BK* **760-1213** Hook Backing Plate or bolts on to standard backing plate.

KNIT WOOL & SYNTHETIC ORBITAL POLISHING BONNET

Plush blend of wool and synthetic fibers. Knit back with tie-on band. Machine washable. Main uses: removing wax, polishing. Fits 12 in. machines.

BK **760-1116**

INDEX

Polishing Bonnets & Pads

GOLDEN FLEECE SHEEP'S WOOL POLISHING BONNET

Plush 100% wool fibers on a premium quality dark tanned leather back. Absorbs excess polish. Mother Nature's finest. Tie-on band. Main uses: polishing.

BK **760-1201** 7" dia., 1.25" wool length
BK **760-1202** 8" dia., 1.25" wool length

COTTON TERRY WOVEN ORBITAL POLISHING BONNET

Made of 100% cotton terry medium weight with stretchable elastic band. Pack of two. Main uses: removing wax, applying wax.

BK **760-1115** Fits 9" to 10" machines
BK **760-1212** Fits 7" to 8" machines

POLYESTER FOAM ORBITAL POLISHING BONNET

Durable, tear-resistant white foam with heavy-duty elastic. Machine washable. Main uses: swirl eliminator, removing wax, polishing. Fits 9 in. to 10 in. machines.

BK **760-1205**

BK **760-1134**

BK **760-1213**

COOL-IT™ POLISHING/FINISHING FOAM PAD

A specially designed pattern cut in the foam opens up when the polishing machine is in operation, relieving pressure on the painted surface to COOL-IT™. Prevents paint burning, separating or graying. Made of strong, pliable foam. 8.0 in. dia., 1.75 in. thick. Fits all standard buffing machines.

BK **760-1134** Foam Pad
BK **760-1213** Backing Plate

SPEEDY FOAM BUFFING PAD

Specially designed yellow foam. Dished-in curved edge for easy self centering and attachment to *BK* **760-1213** hook backing plate. Soft, pliable and tough. Air dry and washable. Dissipates heat. Safe to use on all paint finishes including clear coat. Main uses: swirl eliminator, applying wax, buffing. 9.0 in. dia., 1.0 in. thick.

BK **760-1214**

SPEEDY FOAM POLISHING PAD

Specially designed white open cell foam. Dished-in curved edge for easy self-centering and attachment to *BK* **760-1213** hook backing plate. Soft, pliable and tough. Air dry and washable. Dissipates heat. Safe to use on all paint finishes including clear coat. Main uses: removing wax, swirl eliminator, polishing. 9.0 in. dia., 1.0 in. thick. Color: white.

BK **760-1208**

EXTENDER BOLT

Used to extend spindle on polishing machine with 5/8 in.-11 thread. For use with *BK* **760-1206** double-sided pads. 5/8 in. with No. 11 thread.

BK **760-1219**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

MOTOR GUARD

SANDING BLOCK

Two blocks in one! Rugged, semi-rigid, and versatile sanding block designed for flat-to-medium curved surfaces. Aggressive side utilizes extremely durable material, coupled with strategic hole configuration, which enhances the abrasive action by providing multiple cutting edges. Back side provides rigidity and a comfortable, easy-to-hold surface for use on less aggressive applications that require more flexibility. Sands areas where ordinary hard blocks are not adequate.

BK **770-3538**

MOTOR GUARD

MAGNA SOFT SANDING BLOCK

Utilizes two different densities of flexible, resilient material to achieve the ultimate in block sanding on curved or irregular shaped surfaces. Dense side is for more aggressive sanding, such as blocking primer prior to top coating, or feathering small paint imperfections. Soft side is for nib sanding, or color sanding finished coats prior to polishing.

BK **770-3537**

INDEX

EVERCRAFT

4 PC. SPRAY GUN KIT

Small (1mm) gun is ideal for small jobs, detail and touch-up work. Medium (1.4mm) and large (1.7mm) guns include stainless steel needle and nozzle set. Medium gun is ideal for use on lighter materials, such as high quality base and clear-coats. Large gun works on heavier materials, such as primers, surfaces and fillers. Air pressure regulator includes gauge and maintains pressure, prolonging air tool life.

BK **899-3261**

Contents

Qty.	Description
1	Diaphragm Regulator/Gauge (BK **776-3768**)
1	Small Touch-Up Spray Gun (1mm)
1	Medium Spray Gun (1.4mm)
1	Large Spray Gun (1.7mm)

Specifications

Item:	Regulator	Small Gun	Med./Lrg. Guns
Air Inlet	1/4" NPT	1/4" NPT	1/4" NPT
Avg. Air Consumption	—	4-5 CFM	10-13 CFM
Cup Size	—	100 mL	1,000 mL
Fluid Orifice	—	1mm	1.4 /1.7mm
Gauge Range	0-180 PSI	—	—
Max. Air Inlet Pressure	160 PSI	30 PSI	43 PSI
Nozzle Pressure	—	12.5-23 PSI	7-12.5/9-12.5 PSI

For Airline Regulators, Lubricators and Filters listings see pages 681-690.

WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

HVLP TOUCH-UP SPRAY GUN & CUP

High-volume, low-pressure design offers exceptional transfer efficiency. Features stainless steel needle and fluid tip for use with waterborne materials. Meets EPA Rule 40 CFR Part 63.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: .....8 CFM
Cup Size: .....100 ml
Fluid Delivery: .....75 mL/Min.
Fluid Orifice:.....0.8mm
Air Inlet Pressure:..... 30-43 PSI
Nozzle Pressure: .....10 PSI

BK **776-3759**

WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

2 PC. HVLP SPRAY GUN KIT

High-volume, low-pressure spray guns offer exceptional transfer efficiency. Features stainless steel needle and fluid tip for use with waterborne materials. Regulator maintains and regulates air pressure. Versatile cleaning kit can be used with all types of paint thinners and solvents. Meets EPA Rule 40 CFR Part 63.

BK **776-3760**

Contents

Qty.	Item No.	Description
1	—	Cleaning Kit, Spray Gun
1	*BK* **776-3768**	Regulator/Gauge, Diaphragm
1	*BK* **776-3759**	Spray Gun, HVLP Touch-Up
1	*BK* **776-3758**	Spray Gun & Cup, HVLP Gravity-Feed

Specifications

Item No.:	*BK* 776-3759	*BK* 776-3758	*BK* 776-3768
Air Inlet:	1/4" NPT	1/4" NPT	1/4" NPT
Avg. Air Consumption:	8 CFM	14.5 CFM	—
Cup Size:	100 ml	600 ml	—
Fluid Delivery:	25 ml/Min.	100-200 ml/Min.	—
Fluid Orifice:	0.8mm	1.4 mm	—
Gauge Range:	—	—	0-180 PSI
Air Inlet Pressure:	30-43 PSI	43 PSI	—
Nozzle Pressure:	10 PSI	10 PSI	—

WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

EVERCRAFT

HVLP GRAVITY-FEED SPRAY GUN & CUP

High-volume, low-pressure design offers exceptional transfer efficiency. Features wide fan pattern for maximum coverage. Stainless steel needle and fluid tip for use with waterborne materials. Meets EPA Rule 40 CFR Part 63.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: .....14.5 CFM
Cup Size: .....600 mL
Fluid Delivery: .....100-200 mL/Min.
Fluid Orifice:.....1.4mm
Max. Air Inlet Pressure: ..... .43 PSI
Nozzle Pressure: ..... 10 PSI

BK **776-3758**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EVERCRAFT

FULL-SIZE SIPHON-FEED SPRAY GUN & CUP

Ideal for standard and high-fill primer applications. Features precision spray pattern adjustment for fine finishes. Can be used with lacquer- and enamel-based paints.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: .....12.5 CFM
Cup Size: .....1,000 mL
Fluid Orifice:.....1.8mm
Max. Air Inlet Pressure: ..... 50 PSI
Nozzle Pressure: ..... 25-36 PSI

BK **776-3703**

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Spray Paint Equipment

EVERCRAFT

TOUCH-UP SPRAY GUN & CUP

Ideal for use in tight spaces, such as door jambs, dashboards, and engine compartments. Features overhead trigger for superior control and adjustable spray pattern for fine finishes. Can be used with lacquer and enamel-based paints.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: ..... 10 CFM
Cup Size: ..... 200 mL
Fluid Orifice:..... 1.5mm
Max. Air Inlet Pressure: ..... 50 PSI
Nozzle Pressure: .....23-28 PSI

BK **776-3702**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT

AIR BRUSH SPRAY KIT

Offers precise spray control for fine detail work. Also ideal for shading or gradual fading. Can be used with everything from automotive paints to water-based inks.

Specifications

Air Inlet: .....1/8" NPT
Cup Size: .....7 mL
Fluid Orifice:.....0.3mm
Working Pressure:..... 15-30 PSI

NOTE: 1/8" Air hose needed for operation can be purchased at a local hardware store.

BK **776-3761**

⚠ **WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT

SPRAY GUN CLEANING BRUSH KIT

Brushes can be used with all types of paint thinners and spray gun cleaning solvents.

Contents

- Small Loop-Handle Brush (2.8" length) cleans small holes in & around gun
- Medium Loop-Handle Brush (6" length) cleans inner holes on gun & cup
- Large Loop-Handle Brush (8" length) cleans inner holes
- Large Top-Loop Brush is ideal for surface cleaning
- Needle Rod cleans inner hole (1mm) on spray gun
- Straight-Handle Brush cleans surface & small crevices on gun or outside cup
- Toothpicks for punching out stubborn dirt or old paint
- Cosmoline holder not included

CAUTION: Always wear safety goggles during use.

BK **776-0250**

MOTOR GUARD

COMPRESSED AIR FILTER

Remote mount filter, similar in construction and operation to filter *BK* **770-3526**, but with 1/4" NPT ports. Ensures clean air for spray painting and air tool protection.

BK **770-3525** Air Filter
BK **770-3527** Filter Element

MOTOR GUARD

COMPRESSED AIR FILTER

Highly-efficient oil and water removal filter for the ultra filtration of compressed air. Designed for direct, in-line installation on rigid air lines.
Inlet/Outlet: 1/2" NPT. Maximum pressure: 125 PSI.

BK **770-3526** Air Filter
BK **770-3527** Filter Element

MOTOR GUARD

FILTER ELEMENT

Highly-efficient replacement element for *BK* **770-3525** and *BK* **770-3526.**

BK **770-3527**

MOTOR GUARD

SPRAY GUN FILTER

Attaches directly to air inlet on paint spray guns, eliminating paint failures caused by moisture or oil aerosols. Required for HVLP and high-pressure spray guns. 1/4 in. NPS (F) x 1/4 in. NPT (M) ports.

BK **770-0528**

INDEX

prevost

SAFETY AIR HOSE COUPLERS

The easiest and quickest safety couplers on the global market. Used at the air source (wall) or at the pneumatic tool, the PS1 safety coupler uses the compressed air on the side of the coupling to sustain the first locking phase. Only when the downstream air is purged will it automatically click to the 2nd phase and release the plug (adapter). This ISO 4414 safety coupler avoids all risk of dangerous hose-whip or accidental disconnection. These couplers initiate a controlled, automatic venting and disconnection with a simple push of a button.

NPT **61-1239** *NPT* **61-1241** *NPT* 61-1237 *NPT* **61-1235**

- Leak-free/energy-saving connections
- Resists scratching, impact, abrasion and corrosion
- Lightweight, rugged, anti-static composite
- Intuitive push-button design
- Ergonomic shape
- Color-coded
- Composite Body
- Temperature range: +5° to 158° F (-15° to 70° C)

Item No.	Description	Color	Profile	Use	ID Passage	Pressure	Weight	Air Flow @ 100 PSI
NPT **61-1239**	1/4" FNPT	Black Body/Yellow Button	Type B, ARO 210	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.50 oz.	DP 10 PSI/ 32 SCFM
NPT **61-1241**	1/4" FNPT	Black Body/Green Button	Type V or HVLP High Flow	At air source or pneumatic tool & spray painting	3/8" Body Size	174 PSI	4.50 oz.	DP 10 PSI/ 73 SCFM
NPT **61-1237**	1/4" FNPT	Black Body/Red Button	Type ,C Automotive Truflate	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.75 oz.	DP 10 PSI/ 34 SCFM
NPT **61-1235**	1/4" FNPT	Black Body/Blue Button	Type D, Industrial	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.50 oz.	DP 10 PSI/ 34 SCFM

prevost

REGULAR AIR HOSE COUPLERS

These lightweight and compact quick couplers attach at the pneumatic tool. Made of non-scratch acetal composite with exceptional hardness, the smooth body prevents snagging and accidental disconnection. The circuit cannot be opened without inserting the plug. These couplers utilize an O-ring design that is leak-tight when used with a Prevost plug (adapter). The internal spring is made of stainless steel

- Composite Body
- Temperature range: +5° to 158° F (-15° to 70° C)

NPT **61-1238** *NPT* **61-1240** *NPT* **61-1236** *NPT* **61-1234**

Item No.	Description	Color	Profile	Use	ID Passage	Pressure	Weight	Air Flow @ 100 PSI
NPT **61-1238**	Coupler 1/4" FNPT	Blue Body/Brush Silver Button	Type B	At pneumatic tool	1/4" Body Size	174 PSI	2.50 oz.	DP 10 PSI/ 25 SCFM
NPT **61-1240**	Coupler 1/4" FNPT	Blue Body/Green Button	Type V or HVLP	At pneumatic tool & spray painting	3/8" Body Size	174 PSI	2.8 oz.	DP 10 PSI/ 36 SCFM
NPT **61-1236**	Coupler 1/4" FNPT	Blue Body/Red Button	Type C	At pneumatic tool	1/4" Body Size	174 PSI	2.43 oz.	DP 10 PSI/ 34 SCFM
NPT **61-1234**	Coupler 1/4" FNPT	Blue Body/Silver Button	Type D, Industrial	At pneumatic tool	1/4" Body Size	174 PSI	2.50 oz.	DP 10 PSI/ 32 SCFM

prevost

PUSH-TO-CONNECT PLUGS

- 3-Pack.
- Max. Pressure: 174 PSI

Item No.	Type	NPT Size	Hex Size	Overall Length	
Industrial Type D					
NPT **61-1243**	Male	1/4"	17mm	42mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Industrial profile
NPT **61-1244**	Female	1/4"	13mm	43mm	
ARO 210 or Type B Profile					
NPT **61-1261**	Female	1/4"	17mm	40mm	Quick coupler. Abrasion resistant treated steel construction. Made with close tolerances for leak-free connections. ARO 210 profile.
NPT **61-1263**	Male	1/4"	14mm	42mm	
Truflate Type C					
NPT **61-1249**	Male	1/4"	14mm	41mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Truflate profile.
NPT **61-1251**	Female	1/4"	17mm	40mm	
7.2 – 7.4 High Flow or HVLP Profile					
NPT **61-1254**	Female	1/4"	14.7mm	36mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. High Flow-HVLP profile.
NPT **61-1256**	Male	1/4"	13mm	39mm	

CARLYLE TOOLS by NAPA

ROUND CROSS CHISEL HAMMER

Chisel End

Excellent for finishing. Cross peen used for working in sharp corners around moldings and for caulking.

SER **3715**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CURVED CROSS CHISEL HAMMER

Excellent for finishing. Cross peen used for working in sharp corners around moldings and for caulking. Well balanced curved chisel for work in close places.

SER **3716**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CROSS CHISEL SHRINKING HAMMER

Flat Chisel End

Cross grooved. Extra wide faces used for large surfaces. Chisel end used on sharp corners.

SER **3717**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

UTILITY PICK HAMMER

Blunt point, short reach. For low spots in high-crown panels and other work with small clearance.

SER **3718**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

HEAVY-DUTY BUMPING HAMMER

For heavy gauge truck fenders and panels. Also used in straightening reinforcements, braces, etc.

SER **3719**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

SHRINKING HAMMER

For work in close quarters. Expertly machined serration on the square side.

SER **3720**

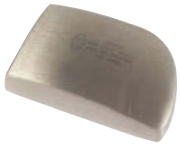
⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

TOE DOLLY

Thinness and length provide easy accessibility to narrow pockets. Large, flat face is frequently used in shrinking and dinging flat panels. The flat sides furnish a convenient anvil for repairing flanges.

SER **3722**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**



HEEL DOLLY

Design makes it possible to reach easily into sharp corners and wide radii. These features are exclusive to the Heel Dolly.

SER **3723**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

WEDGE DOLLY

Long, slender general purpose dolly. Widely favored by many body repairmen for all-around use. The long, thin lip is very useful in working behind reinforcements.

SER **3725**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

GENERAL-PURPOSE DOLLY

Provides convenient and comfortable hand hold during heaviest blows. Weight, balance and several differently crowned working faces, together with two beading and flange lips, give this dolly broad general use.

SER **3724**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

BODY REPAIR DOLLY

Dinging spoon is designed for dinging ridges smooth and level when held against ridge and struck with hammer. Tool spreads the blow over a large area preventing damage to finish. Not designed for prying.

SER **3726**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

2 PC. HOG RING PLIERS SET

Used for upholstery work on most domestic and foreign cars.

- 45° Hog Ring Pliers
- Straight Hog Ring Pliers
- For installation of "Hog Ring" fasteners
- Specially made to grip and mold Hog Rings for closure
- Spring loaded to hold Hog Ring in jaws during use
- Cushion grip handle.

SER **3702**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

STRAIGHT HOG RING PLIERS

Used for upholstery work on most domestic and foreign cars.
- Specially made to grip and mold Hog
- Rings for closure
- Spring loaded to hold Hog Ring in jaws during use
- Cushion grip handle

SER **3703**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

45-DEGREE HOG RING PLIERS

Used for upholstery work on most domestic and foreign cars.
- 45° for added access
- Specially made to grip and mold Hog Rings for closure.
- Spring loaded to hold hog ring in jaws during use.
- Cushion grip handle

SER **3704**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

3 PC. HEAVY-DUTY HOOK & PICK SET

The set includes part numbers *SER* **3470**, *SER* **3474** and *SER* **3475**. The tools included are ideal for use anywhere a hook/removal tool, spring removal tool or a sharp punch is required. All three tools feature corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3476**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

HEAVY-DUTY SPRING HOOK TOOL

Ideal for use in hooking and removing springs. The tool features corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3474**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

HEAVY-DUTY HOOK & COTTER PIN PULLER

This heavy-duty tool is ideal for use anywhere a hook/removal tool is required. The unique tip angle is especially useful for removing cotter pins. The tool features corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3470**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

HEAVY-DUTY SCRATCH AWL

This heavy-duty tool is ideal for aligning parts or anywhere a sharp punch is needed. The tool features corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3475**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

7 PC. HOOK & PICK SET

This kit combines both small and large picks to do a wide range of jobs around the vehicle from seals to cotter pin removal, cleaning and other jobs.

SER **3708**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT™

4 PC. HOOK & PICK SET

Use these chrome vanadium, alloy steel tools to pull oil seals, O-rings, cotter pins and much more. Set includes: straight point, curved hook, combination tip and 90° tip.

BK **776-9057**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

11 PC. PANEL REMOVER SET

Constructed of durable, impact-resistant nylon that will not damage the non-metal interior trim surfaces. Packaged in a canvas pouch that rests flat on a dashboard or fender for easy access to tools and then folds up with tools inside for storage. Kit has multiple applications such as trim strips, panels, wheel caps, bezels, liners, shrouds and fascia.

SER **118**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

INDEX

Body Tools

CARLYLE TOOLS by NAPA

5 PC. CLIP LIFTER SET

This 5 piece clip lifter set is designed to remove multiple clips and trim found in various places in vehicles.

- Five different offsets with a range of three spreads
- Different shapes and different sizes
- Ideal for removing plastic fasteners, plastic clips, upholstery or door panels

SER **113**

⚠ **WARNING: May Cause Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

3 PC. BODY TRIM SET

Set contains selection of the most popular door, handle and trim tools covering a wide range of service applications, which allow you to get the job done faster. Trim tools feature the new heavy-duty handle design.

SER **3786**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT™

TRIM REMOVAL TOOL SET

Set contains five unique tools for removing internal and external trim and molding fasteners. Anti marring design prevents damage to vehicle paint, upholstery, chrome or finish.

BK **776-8046**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DOOR PAD TRIM TOOL

Unique square grooved notch easily slips under plastic trim clips to pop with minimal damage to panels.

SER **3786-71**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DOOR PANEL REMOVER

Special notch easily slips under fasteners. Bent shank provides additional leverage to easily remove difficult trim fasteners without damage.

SER **3786-73**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

20 IN. DOOR PANEL REMOVAL TOOL

SER **3989-01**

⚠ **WARNING: California Proposition 65 - Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EVERCRAFT™

TRIM REMOVAL TOOL

For panel seam cleanup, molding removal, wiper mounts, door trim installation, weather strip clip removal, trim pad removal, headlight springs, windshield molding clip release, and door clip removal. Features comfort grip handle.

BK **776-8049**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DOOR PANEL REMOVER

Clip remover helps remove door handle and window crank clips on GM, Ford and others using common "C" type clip.

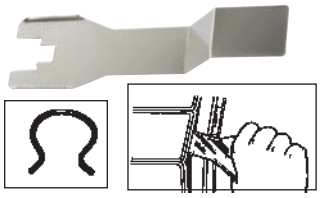
SER **3786-72**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

DOOR HANDLE & WINDOW LIFT REMOVER

Compresses the door handle spring clip far enough so that the handle can be removed while the spring clip remains on the handle. Use tools reverse end to disengage clip holding door upholstery panels. Fits GM, Ford and other cars using type of clip shown.



SER **431**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT™

DOOR HANDLE & WINDOW CRANK CLIP TOOL

Works on GM, Ford and others using the common "C" type clip. Helps prevent damage to door panel upholstery. Opposite end firmly holds clip for easy installation.

BK **776-9177**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TRIM PAD REMOVING TOOL

Tool reaches behind trim panel on GM and other cars. It grips plastic fastener and removes trim without damage.

SER **2822**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

FASTENER REMOVER

This fastener remover tool quickly removes various types of plastic fasteners that hold on weather stripping, radiator shrouds, fender linings, air dams and other plastic or rubber parts.

- Sliding button for use when extra leverage is necessary

SER **35260**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

EVERCRAFT™

DOOR UPHOLSTERY TOOL

Removes panels without marring upholstery.

BK **776-9160**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

WINDOW MOLDING REMOVER

Removes window molding clips on GM, Ford and AMC vehicles. Place jaw flat against glass. Locate clips and roll them out with tip, keeping jaw flat to glass.

SER **2038**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

CARLYLE TOOLS by NAPA

TRIM CLIP PLIERS

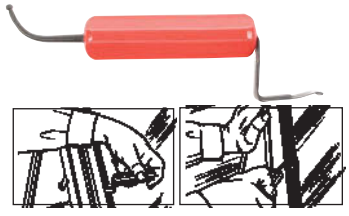
Trim clips pliers easily remove trim panel fasteners. Their specially designed doubled tapered tips slide under the clip and grip the side of the clip, helping prevent damage.

- 90° tip angle provides more leverage for easier clip removal, even in very tight spots
- Dual material cushioned grips for comfort
- Weighs 6 oz.

SER **41090**

⚠ **WARNING: Cancer and Reproductive Harm www.P65Warnings.ca.gov**

CARLYLE TOOLS by NAPA



WINDOW MOLDING REMOVER

Removes clips and spreads rubber gasket on Chrysler windows. Rounded point spreads zipper-type gaskets.

SER **2037**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

JIGGLER™ WINDSHIELD/ REAR WINDOW REVEAL MOLDING TOOL

BK **770-3819**

Great for use in body and glass shops. Removes all adhesive and rear window reveal moldings, saving both time and money. Double-sided tool allows easy engagement of molding clips. Heat-treated, spring steel construction.

BK **770-3819** GM
BK **770-3820** Ford

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

WINDOWSHIELD REMOVAL TOOL

Removes bonded windshields. Cuts sealant with specialty designed and tempered steel blade.

BK **776-9159**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

EVERCRAFT™

8 IN. DOOR HANDLE PLIERS

Removes door handles, window clips and windshield moldings on most import and domestic cars. Offset handle permits easy access.

BK **776-9036**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

TOOL AID®

WINDSHIELD CUT-OUT WIRE

Braided design provides the fastest cutting action possible. Quickly slices through urethane and silicone windshield adhesives. Each braided helix acts as a cutting saw tooth. Golden stainless steel. Length: 72 ft.

BK **770-3814**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

EVERCRAFT™

2 PC. PLASTIC CHISEL SET

Non-marring material to remove trim and molding without damage to paint surfaces. Chisels can be re-sharpened with a file. Sizes: 1" and 1½".

BK **776-9247**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

INDEX

Rivet Tools

RIVET GUN

Chief's Rivet Gun is pneumatic-hydraulic system for riveting and pressing out self-piercing rivets. Lightweight and highly efficient-this riveting tool allows technicians to complete repairs in record time.

- Attachments for riveting, hole punch, pressing out and calibrating
- Pressure ratio 100:1
- Precise control over strength of impact
- Low maintenance

CTL **CHR2001**

⚠ **WARNING: This product contains chemicals known to the State of California to cause cancer and/or reproductive harm, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Milwaukee

M12™ RIVET TOOL KIT

MIL **2550-22**

Kit Item No.	*MIL* **2550-22**
Tool Only Item No.	*MIL* **2550-20**
Volts	12
Max Pulling Force	2000 lbs
Max Capacity	3/16"
Runtime	(450) 1/8in steel rivets w/ 1.5Ah battery
Weight	4.15 lbs
Charger/Batteries	All M12 Batteries and Chargers
Includes	(1) M12™ Rivet Tool (Tool Only) (2550-20) (2) M12™ REDLITHIUM™ CP1.5 Battery Pack (*MIL* **48-11-2401**) (1) M12™ Lithium-ion Battery Charger (*MIL* **48-59-2401**)

marson

V-3 PNEUMATIC AIR RIVET TOOL

Sets 1/8" - 3/16" diameter rivets in all materials. Works with stand, blind, Klik-Lock™ and other structural blind rivets, as well as T-/Klik-Split® rivets. Ideal for light- to medium-duty use in body/customization shops and farm applications, as well as building truck bodies. Pulling Force: 1,983 lbs. Stroke: 0.551". Recommended Airline Pressure: 85-95 PSI. Weight: 3.2 lbs.

BK **770-4561**

marson

V-4 PNEUMATIC AIR RIVET TOOL

Sets 3/32" - 1/4" diameter rivets in all materials. Works with stand, blind, Klik-Lock™ and other structural blind rivets, as well as T-/Klik-Split® rivets. Designed for continuous use on heavy-duty applications. Ideal for use in body/customization shops and farm applications, as well as building truck bodies. Pulling Force: 3,055 lbs. Stroke: 0.562". Recommended Airline Pressure: 85-95 PSI. Weight: 4.2 lbs.

BK **770-4562**

marson

HEAVY-DUTY AIR-POWERED RIVET TOOL

Allows the operator to set 3/16" - 1/4" diameter rivets in all alloys. With special nosepieces, this tool can also set 3/16" and 1/4" monobolts and 1/4" T-rivets. Designed with adjustable jaw case, and includes 3/16" and 1/4" standard nosepieces, service tools, swivel inlet air coupler, and plastic bottle for collecting spent mandrels. Weight: 4 lbs. PSI: 85-95.

BK **770-4537**

marson

AIR-POWERED RIVET TOOL

Allows operator to set 1/8",5/32" and 3/16" rivets in all materials, except 3/16" stainless steel. Includes 1/8" and 3/16" standard nosepieces, service wrenches, and spent mandrel bottle. Do not use with 1/4" standard nosepiece. Weight: 3 1/2 lbs. PSI: 85.

BK **770-2701**

marson

HAND RIVET TOOL KIT

Designed for heavy-duty use, and ideal for auto body shops, garages, and home operations. Sets all rivets by changing nosepiece only.

BK **770-2705**

Contents

Qty.	Item No.	Description
1	*BK* **770-2702**	Rivet Tool
50	*BK* **770-2755**	Rivets 1/8"
50	*BK* **770-2757**	Rivets 1/8"
50	*BK* **770-2758**	Rivets 1/8"
25	*BK* **770-2760**	Rivets 1/8"
25	*BK* **770-2830**	Rivets 3/16"

marson

HAND RIVET TOOL

Heavy-duty construction features patented bearing design and comfortable no-slip grip. Includes 3/32", 1/8", 5/32", and 3/16" nosepieces, and service tool. Sets 3/16" steel rivets.

BK **770-2702**

marson

CONSUMER RIVET TOOL

Designed for the occasional user. Sets all rivets from 3/32" to 3/16" and 2.4 to 4.8mm. Includes four interchangeable nosepieces, service wrench, and locking tab.

BK **770-4535**

marson

PROFESSIONAL RIVET TOOL

Features a 360°, bi-rotational ratcheting head with positive-lock rotation, which keeps the head of the tool from turning while setting rivets in any one of 40+ positions. Includes four interchangeable nosepieces for setting rivets from 3/32" - 3/16" inches and 2.4 to 4.8mm.

BK **770-4534**

marson

HEAVY-DUTY HAND RIVET TOOL

Heavy-duty, two-piece jaws feature an improved design. Longer nose provides a longer, deeper reach for some late model grille and trailer building applications. Long handles and gear system reduce operator fatigue. Specially designed to set 3/16" and 1/4" rivets as well as split-type rivets. Also easily sets 1/8" and 5/32" sizes. Includes 3/16", 1/4", and split rivet nosepiece. Extra nosepieces store in body.

BK **770-2700** Hand Rivet Tool
BK **770-2779** Nosepiece Adapter Kit - Extends 2 1/2"

marson

RIVET TOOL

This kit includes the versatile plastic rivet setter plus a pack each of the four most popular rivet sizes. This long-reach tool is just what today's professional needs for hard-to-reach spots, especially in automotive applications such as flexible bumpers, wheel wells, license plate brackets and bumper reinforcements.

- One stroke setting
- Universal nosepiece
- Sets all plastic rivet sizes
- Rivets come in reclosable carton
- Rivet setter comes in reusable heavy-duty pouch
- Contents: (1) Rivet Setter and (4) 20-Packs Rivets

BK **770-6321**

EVERCRAFT

41 PC. POLY RIVET KIT

This reusable kit sets all sizes of poly rivets perfectly in a single stroke without changing the nosepiece. It's ergonomically designed for one-handed operation and provides easy access to confined areas with the long forward nose.

BK **776-0001**

⚠ **WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.**

marson

PLASTIC RIVET SETTER

This long-reach tool is just what today's professionals need for hard-to-reach spots, especially in automotive applications such as flexible bumpers, wheel wells, license plate brackets and bumper reinforcements.

- One stroke setting
- Universal nosepiece
- Sets all plastic rivet sizes
- Comes in reusable heavy-duty pouch
- Cordless

BK **770-6320**

Rivet Tools & Thread Setters

MULTI-GRIP RIVET ASSORTMENT

Four of the most popular aluminum Multi-Grip rivet sizes and two sizes of back-up washers

Contents

Qty.	Part No.	Description
25	*BK* **770-4538**	0.031 - 0.187 Alum/Steel
20	*BK* **770-4539**	0.156 - 0.312 Alum/Steel
15	*BK* **770-4542**	0.062 - 0.250 Alum/Steel
5	*BK* **770-4543**	0.250 - 0.500 Alum/Steel
40	*BK* **770-4544**	1/8" Alum. Back-Up Washer
40	*BK* **770-4545**	3/16" Alum. Back-Up Washer

BK **770-4547**

STEEL & ALUMINUM RIVET ASSORTMENT

Six of the most popular steel and aluminum rivet sizes.

Contents

Qty.	Part No.	Description
25	*BK* **770-4525**	1/8" x 1/8" Alum.
20	*BK* **770-4526**	1/8" x 1/4" Alum.
15	*BK* **770-4527**	1/8" x 3/8" Alum.
25	*BK* **770-4528**	1/8" x 1/8" Steel
20	*BK* **770-4529**	1/8" x 1/4" Steel
15	*BK* **770-4530**	1/8" x 3/8" Steel

BK **770-4548**

HAND RIVET TOOL NOSEPIECES

Item No.	Description
BK **770-2716**	Standard - 1/8" Rivet
BK **770-2717**	Standard - 3/16" Rivet
BK **770-2718**	Standard - 3/32" Rivet
BK **770-2719**	Standard - 5/32" Rivet
BK **770-2728**	Recessed - 1" Trim Molding

BK **770-2716**

BK **770-2717**

CLIP RIVET ACCESSORIES

Item No.	Description
BK **770-9611**	Jaws
BK **770-9612**	Handle
BK **770-9613**	Collect Case
BK **770-9614**	Jaw Pusher
BK **770-9615**	Jaw Pusher Spring
BK **770-9616**	Retaining Nut
BK **770-9621**	Torsion Pin
BK **770-9620**	Retaining Spring
BK **770-9622**	Fulcrum Pin Assembly

BK **770-9613**

BK **770-9612**

THREAD SETTER™ KIT

Includes *BK* **770-2876** tool, an assortment of 50 Klik™ Poly-Nut inserts (8-32, 10-24, 10-32, 1/4-20 and 5/16-18 threads), and all required mandrels and nosepieces to set. Kit comes in heavy-duty, molded case.

BK **770-2875**

METRIC POLY-NUT THREAD SETTER™ KIT

Contains thread-setter tool in a molded, plastic case with 4, 5, 6, and 8mm mandrels and nosepieces, wrench, and instructions.

BK **770-1889**

Contents

Qty.	Item No.	Description
25	*BK* **770-1896**	4mm Poly Nuts
25	*BK* **770-1897**	5mm Poly Nuts
15	*BK* **770-1898**	6mm Poly Nuts
10	*BK* **770-1899**	8mm Poly Nuts
1	*BK* **770-2876**	Thread Setter Tool
75	—	Assorted Klik™ Poly Nuts

PROFESSIONAL THREAD SETTER TOOL

Heavy-duty tool will install 1/4"-20 Rivet-Nuts, Klik Poly Nuts & Thread-Inserts in aluminum or steel. Capable of installing size, 5/16"-18, 3/8-16", 10-24/32, 5 mm, 6 mm, 8 mm & 10 mm size with adapters (not included); 1/4"-20 mandrel and nosepiece (included).

BK **770-4536**

THREAD SETTER™ TOOL

One-hand tool with the rated capacity to set from 6-32 to 3/8-16 aluminum inserts, 6-32 to 1/4-20 steel inserts, and 8-32 to /-18 Klik™ poly-nut inserts. Provides better versatility for installing a great range of sizes. Competitive systems require larger tools, or more than one tool to do the same job. Quickly installs Klik™ poly nuts, and other threaded inserts, into sheet metal from one side of the work. Parts and accessories can be installed with strong machine screws or bolts instead of sheet metal screws. Eliminates problem of stripped and pulled-out threads, while supplying the convenience, reusability, and strength of nuts and bolts. Perfect for automotive, farm, and plant jobs. Features right-hand, thread-adjusting system, which is instantly familiar to users. See below for accessories:

Item No.	Description
BK **770-2876**	Thread Setter™ Tool
BK **770-9745**	Nosepiece Tool
BK **770-9748**	Setter Body
BK **770-9749**	Collect Case
BK **770-9750**	Adjustable Nut w/Lock Screw

BK **770-2892**

BK **770-2893**

NAPA® KLIK™ POLY NUT REFILLS

Designed for installation and repair work. Plated steel construction with extra-wide grip range allows for use in virtually all sheet metal applications with just one insert per thread size. Flush mount head eliminates space between pieces left by conventional inserts. Provides an exact fit in holes drilled by common fractional bits. For automotive use only.

Specifications

Thread	Grip Range	Drill	Qty.	Nut Item No.	Mandrel Item No.	Nosepiece Item No.
6-32	0.020-0.080	1/4"	50	*BK* **770-2890**	*BK* **770-2892**	—
8-32	0.020-0.080	1/4"	50	*BK* **770-2877**	—	*BK* **770-2887**
4mm	0.020-0.080	1/4"	50	*BK* **770-1896**	—	—
10-24	0.020-0.130	9/32"	50	*BK* **770-2878**	—	*BK* **770-2888**
10-32	0.020-0.130	9/32"	50	*BK* **770-2879**	—	*BK* **770-2888**
5mm	0.020-0.130	9/32"	50	*BK* **770-1897**	—	—
3/8"-16	0.030-0.165	1/2"	20	*BK* **770-2891**	*BK* **770-2893**	—
1/4"-20	0.030-0.165	3/8"	40	*BK* **770-2880**	—	—
6mm	0.030-0.165	3/8"	40	*BK* **770-1898**	—	—
5/16"-18	0.030-0.165	1/2"	25	*BK* **770-2881**	—	—
8mm	0.030-0.165	1/2"	25	*BK* **770-1899**	—	—

THE SLUGGER™ W/TOOL BOX

An assortment of the most widely used Slugger parts packed in a handy metal tool box which can be locked for security.

BK **770-3803**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

THE SLUGGER™ HEAVY-DUTY SLIDE HAMMER

The most complete set available, and perfectly designed for the body tech's toughest repairs. Ten-pound hammer, designed for in-line impact, is balanced for continuous use without fatigue. Special hand-fit weight and rubberized hand-hold provide good grip, safety, and ease while you work. Dual hammer action enables reverse or direct reconstruction blows. Includes ten of the latest, most modern engineered body pulling attachments. Quick assembly for applied hook-ups on: fender edges, bumper ends, rocker panels, aligning doors and door edges, hoods and hood hinges, trunk and trunk hinges, headlights, and many more applications. All parts easily stored on permanent board.

BK **770-3802**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BODY DENT REMOVER

Pulls dented sheet metal back into place. To use, drill a hole in the deepest part of the dent, insert the hook or self-threading screw tip and tap lightly with the 2 1/2-lb slide hammer to remove the dent. 13"-long shaft enables high pulling force. Slide hammer shaft has a 1/2-13 UNC thread. Handle Length: 3.75".

SER **2290** Body Dent Remover
SER **2290-76** Replacement Nose Nut

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

Dent Removal

ECONOMY SLUGGER™ TOOL SET
Basic set of the most popular Slugger hooks comes in a carton without board or metal box. Perfect set for new body technicians at significant savings. Additional Slugger parts can be added to the set as needed.

BK **770-3801**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MIDI-WEIGHT DENT PULLER & SLIDE HAMMER
Provides excellent balance with 5 lb. slide weight on plated, solid 5/8" shaft. Exclusive soft cushion vinyl grip, with "Hang-It" hole absorbs shock. Broached nose cone locks puller screw firmly in place. Supplied with body hook of heavy duty aircraft steel for pulling out curled and creased edges and panels. Helps in aligning hood and trunk hinges. Heavy duty puller screw is long.

BK **770-3804**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

JUNIOR SLUGGER™ DENT PULLER & SLIDE HAMMER
The finest shop-engineered, heavy-duty slide hammer. Special wide aircraft steel body hook to pull curls and creases in quarter, rocker, back and door panels. "L" hook, broached nose cone, two jam nuts and two hard pulling screws are supplied. Designed for the professional body technician.

BK **770-3806**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

SLIDE HAMMER
Polished steel bar with sure-grip, rubber handle guarantees positive pulling action. Slide made of cast iron. Collet is heat-treated, tool steel for maximum grip and extended life.

BK **770-3531**

T-PULLER
Compact tool for small damage repair and use on lightweight metal to reduce over-pull. For use with Stud Welder (*BK* **821-5468**).

BK **770-3536**

DELUXE 6 IN. DENT PULLER
Puller easily pops dented hoods, doors and fenders into place. 6"-diameter suction disc with steel handle and steel support plates enables strong pull. It works on nearly every dent where the sheet metal has not been creased. Lift edge to release suction. Puller also functions as a glass holder.

SER **2761**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

THE HOOKER
For removing body clips, moldings, and windshield seals. May also be used as a cotter pin extractor and spring puller. Saves radiator hoses.

BK **770-3840**

⚠ **WARNING: This product may expose you to chemicals including Di(2-ethlhexyl)phthalate (DEHP) which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

DOOR SPRING TOOL
For removing/installing door hinge springs on late model GM cars and light trucks (with large diameter springs). Make a difficult task easy with the best value tool available. May also be used with 1/2" open-end or ratcheting box-end wrenches.

BK **770-3818**

⚠ **WARNING: This product may expose you to chemicals including lead which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

STUBBY BODY PANEL 1/8 IN. DRILL BITS WITH DOUBLE ENDS
Made of high-speed steel for sheet metal. 135° split points for fast drilling without center punching. Packed in hang-up plastic display vial, with 10 bits.

BK **770-3849**

⚠ **WARNING: This product may expose you to chemicals including acrylonitrile which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

BK **770-3841**

ROTARY SPOT WELD 3/8 IN. CUTTER
Quickly removes spot welds holding sheet metal. Also cuts small access holes in sheet metal. Double-ended, 3/8" blade and 1/4" arbor with retractable pilot. When one side of blade becomes dull, turn blade 180° for fresh cutting surface. Blades interchange with other spot weld arbors. Arbor fits all 1/4" drills.

BK **770-3841** Cutter
BK **770-3842** 3 Replacement Blades

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

MASTER AUTOMOTIVE LOCKOUT KIT
Contains the following tools: Mini-Pro-Flashlight, Window Door Wedge, S-Hook, Lock Tech Tool, Slim Jim, Door Jack, Slide Jim, Long Jim, Plastic Slip Jim, Chrysler Tool, Trip Jim, Porsche/Vent Tool, Corvette Jim, Peg Leg Tool, Big Jim, Gas Cap Pick Tool, and Instruction Manual. Comes in plastic carrying case.

BK **735-1975**

⚠ **WARNING: Cancer and Reproductive Harm. Www.P65Warnings.ca.gov.**

AUTOMOTIVE LOCKOUT KIT
Unlocks 95% of domestic/foreign cars and trucks. Detailed instruction manual eliminates costly door lock linkage damage. Kit includes: Universal Easy Jim for older domestic/foreign locks. Big Jim, the heavy-duty model of Universal Easy Jim for older model cars; S-Hook for many foreign/domestic cars with lift buttons. Trip Jim for late model Dodge/Ford vans and pickup trucks with interlocking window sash channel that prevent door unlocking tools from entering window. Also works on hard-to-open AMC/BMW/Chrysler/Datsun/Ford/GM/Honda/Mercedes/Nissan/Porsche/Renault/Saab/Toyota/Volkswagen/Volvo vehicles. Slide Jim unlocks GM cars with sliding door locks. Also works on: Camaro/Celebrity/Century/Ciera/Firebird/Pontiac 6000. Formed from hard-drawn, heavy-duty, nickel-plated wire. Corvette Jim for model years 1983-68 is specially-designed from hardened flat wire for Corvette sliding arm door locks. Lock Tech Tool opens late model Beretta/ Corsica, and others with high-tech locking systems. Door Wedge separates window from door panel and increases maneuverability and speed of door opening tools. Plastic Slip Jim easily slides into car through rubber stripping to unlock all lift buttons. Gas Cap Pick Tool works like a lock pick and unlocks many factory/aftermarket locking gas caps. Inspection flashlight for easy door lock linkage inspection (two AAA batteries provided). Kit comes in heavy-duty, vinyl case.

BK **735-1144**

2 PC. EASY ACCESS DOOR UNLOCKING KIT
A two-piece easy access tool that collapses for simple storage. It is 53" long with a rigid design for easy, through-the-window reach. Allows you to open the vehicle with the door handle, lock button or electric lock switch. This kit also includes plastic SlimJim and two plastic door wedges.

BK **735-1286**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

EASY ACCESS DOOR UNLOCKING KIT
Easily opens most vehicles on the road today without entering the door panel. This kit includes a 54" fluorescent green easy access door unlocking tool, two plastic door wedges and plastic SlimJim.

BK **735-1280**

EASY ACCESS DOOR UNLOCKING SYSTEM
Easily opens most vehicles on the road today without entering the door panel. This kit includes a 54" fluorescent green easy access door-unlocking tool, two plastic door wedges, plastic SlipJim and Inflate-A-Wedge.

BK **735-1281**

2 PC. EASY ACCESS & INFLATE-A-WEDGE DOOR UNLOCKING KIT
A two-piece easy access tool that collapses for simple storage. It is 53" long with a rigid design for easy, through-the-window reach. Allows you to open the vehicle with the door handle, lock button or electric lock switch. This kit also includes plastic SlipJim and two plastic door wedges and one Inflate-A-Wedge.

BK **735-1290**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

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Lockout Tools, Door Aligner & Headlight Adjusting Tool

INFLATE-A-WEDGE SEPARATOR

The unique Inflate-A-Wedge allows you to safely separate the door frame from the vehicle body to insert a tool and unlock a vehicle.

BK **735-1291**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SELF-LOCKING DOOR WEDGE

Door wedge has wash board/wave ripple surface to allow for easy entry and positioning between the door and rubber strip. The rippled wave-like surface securely locks the wedge in place making it almost impossible to slide out. This tool makes a great addition to a technician's lock out tool kit, and is also a great aid when completing window regulator replacement to hold glass securely in position during use. Material is polypropylene.

BK **700-2563**

DOOR HINGE ADJUSTER

Capable of adjusting the alignment of doors with bolted or welded hinges. Features excellent grip, leverage and universal pin adapter for large and small door latches.

SER **3985**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

SMALL FASTENER REMOVER

For use with a pneumatic impact tool to loosen rusted or seized fasteners. A ¾" open-end wrench can be used to turn the socket while impacting the fastener. A locking pin in the driver keeps the bit holder in place on the square drive for safe operation. The bit holder can be removed from the driver by depressing the pin. Works faster than hand impact tools. Especially useful for removing brake rotor screws. The tool works with 5/16" hex impact bits. Contains: Tool, Phillips #1, #2, #3, #4 Bits and Straight Slot Bit

SER **60530**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

WIRE INSERTION TOOL SET

Includes ¼" O.D. and ⅜" O.D. wire insertion tools for use when installing wires for audio electronics, aftermarket lighting, alarm systems and much more. With a sharp point on the end and palm size handle, these tools provide extra leverage to pierce through firewalls, rubber grommets and panels. The 10½" steel tube provides easy access to feed wires through the firewall. Contains: ¼" and ⅜" Tools.

SER **61030**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

DOOR ALIGNER HINGE SPRINGER

Repair sprung doors on domestic and foreign made vehicles with box type door hinges in deep or shallow wells. Knurled surface prevents slippage. Use on front and rear door hinges and trunk lids.

BK **770-3815**

⚠ **WARNING: This product may expose you to chemicals including nickel which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

PNEUMATIC PANEL CRIMPER

For patching sheet metal panels uniformly and quickly. Forms a step around the area to be repaired. Patch is placed on flange of step, flush with original panel surface. Full grip handle provided for safety. A necessary tool for the professional body technician. Length: 7".

BK **770-3824**

⚠ **WARNING: This product may expose you to chemicals including Di(2-ethlhexyl)phthalate (DEHP) which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

FORD HEADLIGHT ADJUSTING TOOL

Use to adjust the aerodynamic-style headlights found on late model Ford, Mercury, and Lincoln vehicles. 4mm hex head.

BK **776-9035**

⚠ **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

M18™ CORDLESS 10 OZ. CAULK GUN AND ADHESIVE BARE TOOL

MIL **2641-20**

Item No.	*MIL* **2641-20**
Volts	18
Max Force	950 lbs
Cartridge Type	10 o.z
Run Time	200 10 oz. tubes on 1 battery charge
Speeds	Variable - dial speed
Weight	4.9 lbs
Compatibility	Rotating quick-change collar accepts all Milwaukee quick change configurations; 10 oz. carriage, quart-size carriage and 20 oz. sausage style barrels
Charger/Batteries	All M18 Batteries and Chargers
Includes	(1) M18™ Cordless 10oz. Caulk and Adhesive Gun (Tool Only) (*MIL* **2641-20**)

Headlamp Alignment Systems

Symtech provides the solution to your mechanical kit problem. All systems are easy to maintain, and require no adapters or suction cups. SCA-1, CVA-3 EZ, and HBA-5 are tested by Intertec Testing Services, and AMECA-approved laboratory and found to exceed the SAE Standards J599 Lighting Inspection Code, and J600 Headlamp Aiming Testing Machines. Check with local officials for approved units in your area. All of our systems can align all of the past, present and what we understand as the future of forward lighting systems. This includes high beam, low beam and fog/auxiliary lighting for both foreign and domestic automobiles.

Features Include:

- Field calibrateable
- Laser floor slope measurement
- Horizontal positioning window/laser
- Accurate and repeatable measurements
- Portable - No dedicated service bay required!

SYMTECH CORPORATION Safety by Design

ISO Color

COLOR HEADLAMP ALIGNMENT SYSTEM

Inexpensive, portable, and easy-to-use. Innovative - Voted Top 20 Tool by Motor Magazine. Features ISO Color Technology, adjustable height and laser floor slope adjustment. Adjustments made faster and more accurate with Symtech's unique ISO technology. To use, simply align BCA-4 to vehicle by sighting through the sighting unit and rotating optical head until line in sighting unit intersects the two common points selected. While viewing aim screen, adjust headlamp to position that appears as graphic illustration of headlamp pattern. Not approved for safety inspection.

BK **397-1050**

OPTICAL VISUAL HEADLAMP ALIGNMENT SYSTEM

Built for the busiest shops, the CVA3-EZ has all the features of the SCA-1 in a heavy-duty package. Precision-engineered Fresnel lens allows technicians to view headlamps as they appear at 25 ft. Unique "Visual Assist" meter signals tech when alignment is complete. Approved for safety inspection.

BK **397-1048**

OPTICAL VISUAL HEADLAMP ALIGNMENT SYSTEM

Unique ISO Color Technology defines the "High Intensity Zone" for fast and precise alignments every time. No more staring at a "white spot", searching for the High Intensity Zone; the SCA-1 uses color to pinpoint perfect alignment every time. Approved for safety inspection.

BK **397-1049**

ELECTRONIC HEADLAMP ALIGNMENT SYSTEM

Fully-electronic photosensor-based technology for precise results every time. Red Light/Green Light programming mode eliminates guesswork making this the most user-friendly system available. Includes 10 ft. floor guidance track. Battery powered, no cords, and features a rechargeable, replaceable battery pack. Approved for safety inspection in Maryland and Virginia.

BK **397-1046**

Model No.	*BK* 397-1050	*BK* 397-1049	*BK* 397-1048	*BK* 397-1046
Height	61"	61"	68"	68"
Width	22"	22"	26"	26"
Depth	21"	21"	27"	27"
Weight	39 lbs.	41 lbs.	74 lbs.	89 lbs.
Power	Passive	Passive	Passive	9.6V Rechargeable

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